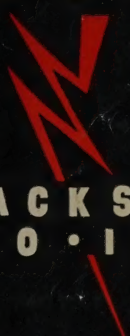


RADIO'S LEADING SUPPLY GUIDE

Allied Radio

C O R P O R A T I O N



833 W. JACKSON BLVD.
CHICAGO • ILLINOIS

Everything in Radio

WORLD-WIDE SETS • TUBES • ACCESSORIES • REPLACEMENT PARTS
SERVICEMEN SUPPLIES • TESTING EQUIPMENT • LABORATORY
EQUIPMENT • AMATEUR EQUIPMENT • EXPERIMENTERS' PARTS
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TECHNICAL BOOKS • TOOLS • HARDWARE • ALL STANDARD LINES

FOR COMPLETE INDEX SEE PAGES 135-136

1937



**WORLD-
WIDE**

Knight
3 BAND
A. C. SUPERHET
With **METAL TUBES**

\$16.85

COMPLETE WITH RAYTHEON TUBES

**RCA AND
HAZELTINE
LICENSED**

3 FULL BANDS
The Knight 5 tunes 17 to 52 Meters for foreign and domestic Short Wave; 52 to 172 Meters for police, aviation and amateur phone signals; 172 to 555 for all American and Canadian standard Broadcast. Tunes everything that goes on the air.

6 INCH DIAL
Each band is individually colored and fully illuminated. Has three scales: upper in kilocycles for broadcast band reception; two lower scales in megacycles for tuning foreign and domestic Short Wave.

NEW METAL TUBES
The new Knight 5 uses an understored 3 watt 1-6F6. These tubes assure greater stability and efficiency than the 1-6K7 Short Wave gain; they are self-shielding; they operate more quietly.

3 WATTS OUTPUT
The Knight 5 is packed with power. It delivers an understored 3 watts which is amplified by the full 6½ inch electro-dynamic speaker. The result is a splendid quality of tone never before equaled in a radio at so low a price.

Here is a new Knight 5 Tube All-Wave A.C. Superhet using metal tubes—a powerful, sensitive, selective 3 band receiver packed with new and advantageous features never before offered in a set at so low a price. Built to the highest standards of performance and beauty—a receiver that everyone can afford. This powerful performer tunes continuously from 17 to 555 meters, covering foreign and domestic Short Wave between 17 and 52 meters; police, aviation and amateur phone between 52 and 172 meters; and powerful long-distance American and Canadian standard Broadcast programs between 172 and 555 meters. Features a big, attractively colored 6-inch illuminated airplane dial accurately calibrated and with “tell-time” zoning for easy tuning on every band; continuously variable tone control for bass or treble accentuation; a large 6½-inch electro-dynamic speaker with the ability to reproduce tone flawlessly at any volume level; automatic volume control to prevent fading and distortion and to assure uniform power; heavy-duty rubber-floated tuning condenser of the newest bar type construction for sharper tuning; full 3 watts power output; separate coils for each band; 10 tuned circuits; 1. F. transformers pl-wound of Litz wire; latest multi-purpose tubes, including two of the newest metal types, used in the most advanced R. C. A. and Hazeltine licensed superhet circuit for actual 7 tube quality A. C. receiver at a low price.

A WORLD OF POWER

The new Knight 5 develops full three watts output from its perfected superhet circuit. The new super-efficient metal Pentode Power Output Tube (6F6) is largely responsible for this unusual power. The triple-purpose 75 tube effectively handles the automatic volume control action, preventing fading and blaring, keeping up the volume at a uniform level when tuning weak as well as strong signals. The latest Raytheon tubes are used in the circuit as follows: 6A7 as Detector and Oscillator; 6K7 (metal) as I. F. Amplifier; 75 as 2nd Detector; A. V. C. and 1st Audio; 6F6 (metal) as Power Pentode; and 50 as Full Wave Rectifier. This tube combination assures actual seven-tube power and efficiency, always under perfect control to bring you strongly and clearly any type of radio entertainment you may desire.

TONE AT ITS FINEST

Wide-range tonal fidelity is always evident in the performance of the new Knight All-Wave 5. The special 6F6 Pentode stage develops a flawless 3 watts output which is faithfully handled by the heavy-duty 6½-inch electro-dynamic speaker. Continuously variable Tone Control provides for the accentuation of either bass or treble as desired. The clear, rich tone of the Knight 5 puts new meaning in radio enjoyment. Even the most critical radio listener will get a new thrill out of the vitality and realism of Knight 5 tone.

TRUE BEAUTY

The Knight 5 is built into a remarkably attractive table model cabinet. The front panel is of carefully matched vertically grained walnut, featuring a pleasing, non-reflective finish, enhanced by routed streamlines. The entire cabinet is exquisitely hand-rubbed in a soft, attractive finish, measures 17 1/2" high, 12 1/2" wide, and 9 1/2" deep.

TOP VALUE

Regardless of price, the Knight All-Wave 5 is one of the finest five tube radios built today.

EXPORT MODEL

Tunes 17-52, 175-555, and 800-2000 meters. Operates on 110, 130, 150 or 220, 60 cycles, A. C. Code: DEED.

A9801E.
Retail Value, \$39.95.
YOUR PRICE...

UNPARALLELED SENSITIVITY

The Knight World-Wide 5 covers all the popular Short Wave and standard Broadcast bands dependably and effectively, with continuous All-Wave Range. There are no “dead” spots on the dial of the Knight 5—the air is alive with local and distant stations—each under easy, enjoyable control. The uncanny sensitivity of the Knight 5 will amaze and delight you. Special individual coils are used for each of the three bands assuring maximum efficiency; a newly developed band switch allows the correct coils to be switched in on any one particular band while the unused bands are completely cut out of the circuit. These features are generally found only in costly modern radio receivers.

WORLD-WIDE RANGE

The Knight 5 Superhet brings you a world of rich radio entertainment. And anyone can tune this receiver easily and accurately. The big 6-inch illuminated airplane dial shows three clear tuning ranges, attractively colored and accurately calibrated for easy program logging. The ultra-selectivity of the circuit itself is phenomenal. The special bar type tuning condenser is rubber-cushioned to assure complete freedom from distortion when locating stations. 11 tuned circuits are employed for maximum selectivity. With a touch of your finger you can travel round the world, enjoying radio at its finest.

SET COMPLETE

The Knight 5 Tube All-Wave Superhet is offered in the attractive table model cabinet illustrated, complete with 6½-inch Electro-dynamic speaker and 1-6A7, 1-6K7, 1-75, 1-6F6, 1-80 Raytheon tubes. For operation on 110 Volts, 60 cycles, C. Shipping weight, 20 lbs. Code: FAIR.

A9801.
Retail Value, \$34.50.
YOUR PRICE...

\$16.85

All Wave 17-555 METERS

Knight 6 TUBE AC-DC SUPERHET



75-550 METERS
5 INCH DIAL
DYNAMIC
SPEAKER

\$14⁸⁵
WITH
RAYTHEON
TUBES
RCA AND HAZELTINE LICENSED

The Knight 6 Tube A.C.-D.C. Dual-Wave Superhet is ideal for use anywhere in the home or office. The attractive cabinet harmonizes pleasingly with any decorative scheme, and may be placed on a book-case, sideboard, table, etc.



This new compact 6 Tube Knight A.C.-D.C. receiver offers excellent performance at a remarkably low price. Its clarity of tone, strong two-band reception, and convenient adaptability make it a real money-saving ALLIED value. Using an efficient superhet circuit of modern design, the Knight A.C.-D.C. 6 develops powerful volume, fine sensitivity, and sharp station selectivity. It is truly versatile and will play instantly on any 110 Volts 40-60 cycle A.C. or D.C. line. Among the many features are: Automatic Volume Control, built-in aerial, multi-purpose tubes—giving actual 7 tube utility, specially matched full dynamic speaker, and large, clearly marked airplane dial. It is a set that easily compares in power and distance-reach to much-higher priced receivers.

• **TUNES TWO FULL BANDS.** The Knight Dual-Wave A.C.-D.C. 6 covers two full bands: 75 to 175 meters for interesting Short Wave Police, Aviation, and Amateur signals, and 175 to 550 meters for powerful reception of American and Canadian standard Broadcast stations. To change from standard Broadcast to Short-Wave, you simply flick the wave-band knob, conveniently located on the front panel of the cabinet.* You will enjoy long-range reception as you tune over surprising distance to bring in programs with good volume, clarity, and faithful tone.

• **5" AIRPLANE DIAL.** Tuning is always easy and accurate with the full 5" airplane dial which is attractively colored and illuminated for quick reading. The Short-Wave band is indicated in red, the Broadcast in yellow. Calibrations are in kilocycles and are large and clear to simplify program logging. Amateur, Police, and Aircraft sectors are individually marked to add to convenience in locating the stations you want. Any one can easily tune the Knight 6 Tube A.C.-D.C. Dual Wave Superhet.

• **PLEASING TONE.** A full Electro-dynamic speaker of latest design smoothly handles the power output of the 43 Pentode tube. The speaker has been especially designed and matched for best results. Adequate baffle area assures fidelity of tone. You will be highly pleased with the tonal realism of the Knight A.C.-D.C. 6 as each program is brought in clearly and enjoyably. Such rich, full-bodied reproduction of music and speech is seldom found in compact receivers at so moderate a price.

• **FULL AUTOMATIC VOLUME CONTROL.** Volume is maintained at a constantly uniform level through the use of Automatic Volume Control. Fading and blasting are eliminated. Whether volume control is set at high or low, you get truly noise-free reception at every point on the dial.

• **ADVANCED SUPERHET CIRCUIT.** An efficient, new R.C.A. and Hazeltine licensed Superhet circuit assures you of sensitive and selective performance. A heavy-duty condenser, 8 tuned circuits, and 6 of the latest multi-purpose tubes provide strong, controlled power. Tubes used are 1-6A7 as Det.-Osc., 1-6D6 as Intermediate Amplifier, 1-75 as A.V.C.-1st Audio-2nd Det., 1-43 as Pentode Power output, 1-25Z5 as Rectifier, and 1-L49C as Ballast. These tubes contribute effectively to the power and distance-reach of the Knight 6 Tube Dual-Wave A.C.-D.C. Superhet. The receiver may be operated equally well on A.C. or D.C. 110 Volts, 40-60 cycles, or may also be used on 220 Volts A.C. or D.C. with the adapter listed below. These features add much to convenience and adaptability.

• **SET COMPLETE.** The Knight 6 Tube A.C.-D.C. Dual-Wave Superhet is offered complete in an artistically designed cabinet as pictured. Gracefully proportioned, the cabinet is created of horizontally-striped Oriental wood and is attractively curved at one end. Speaker grille and rich dial plate harmonize effectively. Supplied complete with dynamic speaker and 1-6A7, 1-6D6, 1-75, 1-43, 1-25Z5, and 1-L49C Raytheon tubes. Shipping weight, 14 lbs. For operation on 110 Volts, 40-60 cycles, A.C. or D.C. Size: 14½"x17"x8¾". A fine radio value. Code: HOLD.

Retail Value, \$29.95.

A9802. YOUR PRICE

A9145. 220 Volt Adapter. List, \$1.50. NET.....

\$14⁸⁵

VALUE that Pleases; PERFORMANCE that Thrills

BUY WITH CONFIDENCE



VAST CLEAN STOCKS



CORNER OF TEST LAB



SAFE, CAREFUL PACKING



SERVING YOU



DISPLAY ROOM

YOU CAN DEPEND ON ALLIED FOR:

Reliable Service—Highest Quality—Greatest Value

Every ALLIED customer buys with absolute confidence because he knows that he will receive the best service, the highest quality and the greatest value for his money. Consistent adherence to the highest standards of reliability has made ALLIED "Radio's Leading Supply House." Since the early days of radio we have been offering vast stocks of high quality radio equipment at the lowest prices for which quality merchandise can be sold; we have emphasized, too, quickest possible shipment and intelligent, friendly, personal service. These policies have given our thousands of customers complete confidence in ALLIED'S integrity. Our new customers, too, will find they can buy with confidence at ALLIED.

WE SERVE YOU BETTER BECAUSE WE ARE 100% RADIO SPECIALISTS

Radio is the sole interest of the entire ALLIED organization. Under one great roof we have gathered together the most complete line of radio merchandise in the country—we carry in stock regularly more than 10,000 carefully selected quality items representing the leading radio lines, so that we can make speedy shipment and give you top-notch Service on every order. We are Radio Specialists. Our large technical staff is ready to give you expert advice concerning your radio problems and needs; our efficient shipping department ships your orders safely, quickly and by the most economical methods; our staff of friendly, intelligent correspondents answers your inquiries in a helpful, personal way.

ALLIED'S HIGH STANDARDS OF QUALITY ARE YOUR PROTECTION

Every item listed in this catalog has been carefully selected to meet our exacting standards. From the products of radio's leading manufacturers we have chosen for you the highest grade of merchandise that can be procured. Every article we offer has been subjected to rigorous tests. These safeguards, plus the guarantee that our merchandise conforms to the standards of the Radio Manufacturers' Association, are your assurance of the highest quality always.

AN *Invitation*

When you come to Chicago, be sure to visit our newly enlarged Radio Headquarters at 833 W. Jackson Blvd., conveniently located on the edge of Chicago's "Loop." Thousands from all over the world have enjoyed our interesting displays and taken advantage of the many valuable service facilities available. Our new Sound and Receiver Demonstration Studios with their incomparable demonstrating facilities are popular features. A visit will repay you with many profit-making and money-saving ideas and helps you can use in your own business.

CHICAGO CUSTOMERS:

For convenient, quick counter service, visit our impressive new City Sales-room. Plenty of Free parking space always. I-R-S-M members, Engineers, and licensed Amateurs are always on hand to serve you. All Phones: HAY-market 6800.

Don't Split Your Orders

We can never be undersold. We consistently meet all competition for identical merchandise. We further protect you by giving you the benefit of the lowest prevailing price at the time you place your order. We can supply all types of special radio equipment, not shown in this catalog, at the lowest possible prices. Write to us first for prices. We give you full radio value; we do business fairly; we ship speedily; we help you in a valuable, personal way. Make ALLIED your one dependable source of radio supply. We are always able to serve you to greater advantage because we are the leading radio specialists. It will pay you to do your radio buying 100% from ALLIED.

ALL ORDERS FILLED

We place no restriction on the size or amount of your order. Whether it is big or small, we give you the benefit of our best service always. It's wise to buy where you know you will consistently be better served.

From Radio's Leading Supply House

ALLIED'S LOW PRICES SAVE YOU MONEY

Our economical merchandising methods enable us to offer you more for your dollar. Because of our tremendous purchasing power we can buy in great volume for less and pass the resulting savings on to you. We will not be undersold. If you can ever purchase identical merchandise elsewhere at a lower price we will promptly refund the difference. We further protect you in this way: whenever prices are reduced we immediately give you the benefit of the lowest prevailing price at the time you place your order. We bring you profits and savings consistently. It's wise to buy at ALLIED, where lower prices assure you of fullest value always.

Because we sell for cash, we have eliminated the costly overhead expenses involved in less economical merchandising methods and can sell at lower prices. It pays to buy for cash—you save money.

It is no wonder that wise radio buyers everywhere demand ALLIED Service, ALLIED Quality, ALLIED Prices. You are sure to agree with the rest of the radio world that at ALLIED you can Buy with Confidence.

**WE SAVE
YOU MONEY
because
WE SELL
FOR CASH**

**WE CARRY HUGE
COMPLETE
STOCKS ON
HAND AT ALL
TIMES—WE
SERVE YOU
SWIFTLY AND
BEST**

We are located in the heart of the nation's transportation systems. That's why we can give you much faster service. We use the most modern methods of transportation and communication—airplane, railroad, telegraph, radio and telephone—to serve you better.

Guarantee
WE GUARANTEE 100% VALUE IN PRICE, QUALITY AND SERVICE. Every item in our catalog is guaranteed to conform exactly to the description and illustration. We guarantee that our merchandise conforms to the standards of the Radio Manufacturers' Association and will perform in the manner intended for such apparatus. Any merchandise that does not so operate, if returned at once, will be promptly adjusted by exchange, repair or refund.
—ALLIED RADIO CORPORATION.

**CENTRALLY
LOCATED**

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Here at ALLIED we have built up a huge organization with the idea of "Service" uppermost in our minds. We want you to feel that ALLIED is more than just a business house; write to us about your problems on Radio Servicing, Building, Salesmanship, Short Wave, Sound, etc. Our extensive past experience enables us to answer you promptly, in a friendly, helpful manner. For thousands of Radio Dealers, Servicemen, Amateurs and Engineers, ALLIED's Personal Service is a valuable aid, day in—day out.

For schools, laboratories and other institutions, we offer Free Consulting Service. We are prepared to quote low estimates on bids and advise you as to proper equipment to meet your individual requirements. Our Sound Engineers and Technical Radio Experts are always at your service.

We are in constant touch with the leading radio manufacturers and can secure special and "hard-to-get" parts with minimum delay. If you require any item not listed in this catalog, write to us for special quotations.



RCA & HAZELTINE LICENSED ATTRACTIVE CABINET

The new Knight 5 Tube Dual-Wave A.C.-D.C. is offered in a graceful compact cabinet of latest design. Measures 6 1/4" in depth, 12" in width, and 8" in height. Front panel is of beautiful burl walnut; speaker grille has pleasing lyre-shaped effect. Routing lines along the top and sides are carried out with tasteful simplicity. Square dial mounting matches cabinet design. Because of its compact size, the Knight A.C.-D.C. 5 may be carried and played anywhere. It is appropriate for any setting and may be placed on bookshelf, mantel, table, or desk in home or office. The beauty of the cabinet is matched by splendid tone and powerful performance. The all-round practicability of this Knight set makes it an excellent "companion" or "spare" receiver. You can play it instantly wherever 110 Volt current is available. It will also perform dependably from 220 Volts A.C. or D.C. when used with the special adapter listed below.

220 VOLT ADAPTER

Permits the operation of the Knight A.C.-D.C. 5 on 210-230 Volts, 25-60 cycle A.C. or D.C.

A9145, List, \$1.50. NET..... **73c**

\$11.65
WITH R.C.A.
TUBES

Knight TUBE Dual Wave AC-DC

- TUNES TWO BANDS
- DYNAMIC SPEAKER
- LARGE AIRPLANE DIAL
- GENUINE R.C.A. TUBES
- NEWEST CIRCUIT
- COMPACT CABINET

This attractive new Knight 5 Tube A.C.-D.C. receiver tunes two bands for enjoyable Short-Wave and standard Broadcast programs. Covers 58-132 meters for Police, Amateur, and Airplane calls, and 175 to 556 meters for strong standard Broadcast reception. The new R.C.A. and Hazeltine licensed T.R.F. circuit develops plenty of power, excellent sensitivity, and good selectivity. The large, easy-to-read 4" illuminated airplane dial is designed for quick, accurate tuning on both bands. Pleasing tonal quality is obtained through a full-sized 5" electro-dynamic speaker which is well-mounted for best acoustical results. A surprising amount of power is developed by the 43 Pentode Power output tube; the other newest genuine R.C.A. tubes are employed as follows: 1-6D6 as R.F., 1-6C6 as Det., 1-25Z5 as Rectifier, and 1-L55B as voltage regulator.

PLAYS ANYWHERE

The Knight 5 Tube Dual-Wave A.C.-D.C. performs equally well on 105-120 volts A.C. or D.C., 25 or 60 cycles, or on 210-230 volts 40 or 60 cycles A.C. or D.C. with adapter listed below at left. May easily be carried from room to room and will play instantly wherever 110 volt current is available. Built-in voltage regulator eliminates heater cord. The Knight 5 gives you enjoyable performance that is unusual in a set selling at so low a price. Both standard Broadcast and Short-Wave programs are faithfully reproduced with full volume and fine clarity. The illuminated airplane dial is calibrated in kilocycles for direct, easy-reading. A special wave-band switch on front panel assures smooth changing from one band to another. This fine ALLIED value meets any A.C.-D.C. competition. Order one now as a demonstrator—and cash in on the profitable A.C.-D.C. market.

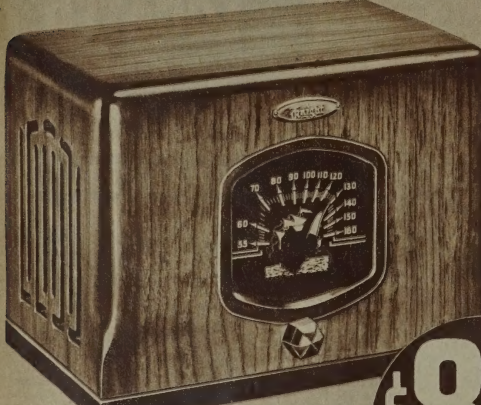
SET COMPLETE

The Knight 5 Tube Dual-Wave A.C.-D.C. is offered complete in the handsome cabinet described at the left, with 1-6D6, 1-4C6, 1-4Z5, and 1-25Z5, genuine R.C.A. tubes, and 1-L55B. For operation on 110 volts A.C. or D.C., 25 or 60 cycles. Shpg. wt., 9 lbs. Code: PLAY.

A9925, Retail Value, \$22.50.

YOUR PRICE.....

\$11.65



CARRYING CASE

Good-looking, convenient carrying case for the Knight A.C.-D.C. 5 or any other set measuring not more than 10" x 7 1/2" x 5 1/2". Made of attractive Suedette; has zipper opening.

A9149, List, \$2.25. NET.....

220 VOLT ADAPTER

Permits the operation of the Knight A.C.-D.C. 5 from 220 Volts A.C. or D.C.

A9145, List, \$1.50. NET..... **73c**

\$8.45
WITH RAYTHEON
TUBES

Knight TUBE AC-DC

- DYNAMIC SPEAKER
- GETS POLICE CALLS
- AIRPLANE DIAL
- BUILT-IN AERIAL

This new Knight 5 Tube A.C.-D.C. receiver is an excellent "companion" set for office, spare room, and traveling use. A truly dependable performer at a record-breaking low price. Tunes 175 to 550 meters, covering Police signals as well as strong standard Broadcast reception. Will operate perfectly on any 110 Volt A.C. or D.C. line, on 40 to 60 cycles, or may also be used on 220 Volts A.C. or D.C. with adapter listed below. Conveniently compact, this complete receiver can be easily carried and played instantly anywhere. Newly designed circuit, licensed by R.C.A. and Hazeltine, uses latest tubes and attains remarkably high sensitivity and selectivity for so compact a receiver. Employs Lis-wound coils. Full five inch dynamic speaker handles the large Pentode output without distortion. 4" airplane dial is attractively illuminated, and accurately calibrated for quick, easy tuning. Built-in antenna is furnished with each set. Study chassis is enclosed in well-designed compact cabinet of vertically striped walnut with smoothly rounded edges. Attractive speaker grille opens on side, allowing speaker good baffle area and perfect sound distribution. The cabinet measures 10" x 7 1/2" x 5 1/2", and the complete set weighs only 9 lbs. Feature this remarkable value as a "spare"; its seasonally low price, its portability, good looks and fine tone mean more sales and bigger profits for you.

SET COMPLETE

The Knight 5 Tube A.C.-D.C. for 110 Volts A.C. or D.C. operation, 40-60 cycles, is supplied complete with 1-6D6, 1-6C6, 1-4Z5, 1-25Z5, and 1-L55B Raytheon tubes. Code: LAMP. A9804, Retail Value, \$16.50. YOUR PRICE.....

\$8.45

OUTSTANDING VALUES IN

Knight 6 TUBE

43-150
175-550 METERS

Dual Wave
AC-DC
SUPERHET

- 5½" AIRPLANE DIAL • TWO FULL BANDS
- FULL A.V.C. • NEWEST TUBES
- 6" DYNAMIC SPEAKER • TUNES 49 METER BAND

The Knight 6 Tube Dual-Wave A.C.-D.C. Superhet is a smartly styled, sturdily built receiver, embodying refinements that make it equal in performance to many 7 and 8 tube sets of other makes. It tunes from 43 to 150 meters for excellent coverage of Short Wave Amateur, Police, and Aviation calls, as well as the popular 49 meter band for foreign stations; and from 175 to 550 meters for long distance standard American and Canadian Broadcast programs. Gives actual 3 band utility. Uses an easy-to-read 5½" black airplane dial which is accurately calibrated in kilocycles and attractively illuminated. The heavy-duty 6" dynamic speaker handles the strong, full volume output without distortion so that every program is clearly heard, with rich, full tone.

THREE BAND UTILITY

The full tuning range of the Knight 6 A.C.-D.C. covers not only distant standard Broadcast stations and Short-Wave Amateur, Police, and Aircraft signals, but actually brings in foreign stations on the live 49 meter band. This gives you the advantages of three-band reception—and at an extraordinary price. Other features are: Automatic volume control to stabilize volume level; Advanced R.C.A. and Hazeltine licensed superhet circuit with rubber-floated condenser and 8 tuned circuits for maximum selectivity and sensitivity; newest multi-purpose tubes: 1-6A7 1st Det. and Osc., 1-6D6 I.F. amplifier, 1-75 Diode Det.-A.V.C.-1st Audio, 1-43 Pentode output, 1-25Z Rectifier, and 1-40B Metal Ballast tube. The Knight 6 is the ideal all-around A.C.-D.C. performer. It operates perfectly on 110 Volts A.C. or D.C., 40 or 60 cycles, and may also be used on 220 Volts with adapter listed below. Has plenty of controlled volume and is extremely easy to tune. At our attractive price, this versatile receiver is one of today's finest radio values.

\$15.45
WITH RAYTHEON TUBES



RCA & HAZELTINE LICENSED

BEAUTIFUL LAY-DOWN CABINET

The Knight A.C.-D.C. Dual-Wave 6 is fittingly housed in a modern lay-down cabinet of handsome design. Top and front panel are of one piece selected vertically striped grain walnut. Speaker grille and dial opening are in complete harmony of design and are finished in pleasingly contrasting darker tone. End panels are of selected red gumwood and recessed for pilaster effect. Cabinet measures 16½" wide, 9" high, and 7" deep.

SET COMPLETE

The Knight Dual Wave A.C.-D.C. 6 is offered complete with 1-6D6, 1-6A7, 1-75, 1-43, 1-25Z, and 1-40B Raytheon tubes. For operation on 110 Volts, 40-60 cycles, A.C. or D.C. Code: **BAND.** Shpg. wt., 13½ lbs.

AG821, Retail Value, \$32.50.
YOUR PRICE

\$15.45

220 VOLT ADAPTER

Permits the operation of the Knight Dual-Wave A.C.-D.C. 6 from 220 Volts, A.C. or D.C.
A9145, List, \$1.50. NET..... **73c**

Knight 5 TUBE

75-550 METERS

AC-DC
2 BAND

- DUAL-WAVE TUNING • BUILT-IN AERIAL
- BIG AIRPLANE DIAL • LATEST TUBES
- 5" DYNAMIC SPEAKER • PLAYS ANYWHERE

Here is an effectively designed compact 5 Tube A.C.-D.C. receiver covering two bands: 75 to 175 meters for Short-Wave Amateur, Police, and Aircraft signals; and 175 to 550 meters for strong standard Broadcast American and Canadian reception. Built to operate on any 110 volt line, A.C. or D.C., 40 to 60 cycles. (May also be used on 220 Volts, A.C. or D.C. with adapter listed below.) Ideal as a personal or "spare" receiver as it is easily portable and will play perfectly wherever 110 Volt current is available. Features especially attractive colored 4½" illuminated airplane dial, accurately calibrated in kilocycles. Exceptionally easy-to-read; tuning on both standard Broadcast and Short-Wave is simplified since tuning ranges are clearly indicated. Newest R.C.A. and Hazeltine licensed T.R.F. circuit assures competent performance. Litz-wound high-gain coils are used. The Knight 5 Tube Dual-Wave A.C.-D.C. is supplied complete with built-in aerial for extra convenience, and with the latest Raytheon tubes. Presented in an attractively designed compact cabinet measuring only 10"x7½"x5½". Front panel is pleasingly grained and matched, while speaker grille is cut out on side with speaker mounted for best tonal response.

SET COMPLETE

The Knight 5 Tube 2 Band receiver for 110 Volts A.C.-D.C. 40-60 cycles operation, complete with 1-6D6, 1-6C6, 1-43, 1-25Z, and 1-40C Raytheon tubes. Shipping wt., 9 lbs.

Code: **BOOK.** **\$9.95**
A9803, Retail Value, \$19.95. NET.....
IN LOTS OF THREE, **\$9.60**
EACH.....

\$9.95
WITH RAYTHEON TUBES



R.C.A. & HAZELTINE LICENSED

CARRYING CASE

For the Knight 5 Tube A.C.-D.C. or any set not larger than 10"x7½"x5½".
NET..... **\$1.15**
A9149, List, \$2.25.

220 VOLT ADAPTER

For operation of the Knight 5 A.C.-D.C. from 220 Volts A.C. or D.C.
A9148, List, \$1.50. NET..... **73c**



DEPENDABLE AC-DC RADIOS

Never Before



**GIANT DIAL
ELECTRIC EYE
JENSEN SPEAKER**

R.C.A. & HAZELTINE LICENSED

Knight 6 TUBE A-C SUPERHET

The Knight 6 Tube All-Wave Superhet in lay-down cabinet shown above. Complete with 6" speaker and Raytheon tubes. For 110 volts, 60 cycle A.C. (Can also be supplied with universal power transformer for 115-130-150-220 volts at \$2.00 additional.) Ship. wt. 22 lbs.

Code: **HELP**
Retail Value, \$49.95.
A9848. YOUR PRICE

\$25.45

Never before has there been a 6 Tube All Wave A.C. Superhet like this new 1937 Knight —packed with so many features and offered at so low a price. Built to provide powerful world-wide performance from 17 to 555 meters with superb quality of tone. The efficiently engineered Superhet chassis, full rubber-floated, is offered in the beautiful lay-down cabinet pictured above. Styled up-to-the minute, with front and top of one piece exquisitely-grained vertically-figured walnut. Contrasting two-tone strip runs through speaker grille center. Supplied with 6" electro-dynamic speaker. Entire cabinet is hand-rubbed to a high piano finish. Measures 19½" long, 11½" high, and 10" deep.

- 3 FULL WAVE BANDS
- GIANT 6" DIAL
- "ELECTRIC EYE"
- ELECTRO-DYNAMIC SPEAKER
- EFFECTIVE A.V.C.
- VARIABLE TONE CONTROL
- 3 WATTS OUTPUT

• **ENJOYABLE WORLD-WIDE TUNING.** The Knight 6 offers All-Wave tuning from 17-555 meters. 16 to 55 and 55 to 175 for thoroughly dependable Foreign short-wave and Amateur, Airplane, Police calls; 175 to 555 meters for powerful coast-to-coast American and Canadian standard Broadcast. Has oversize 6" three-colored, dual-illuminated airplane dial, accurately calibrated in kilocycles with individual color for each wave band. Features new Electric Eye built into the dial to assure precise, convenient tuning.

• **POWERFUL SUPERHET CIRCUIT.** Licensed by R. C. A.; has every deluxe feature: chassis is rubber-floated. Has 3-gang rubber-mounted tuning condenser, full A.V.C., pre-selector, continuously variable Tone Control, extra-large I.F. transformers, individual coils for each wave band, 11 tuned circuits. Six of the newest Raytheon multi-function tubes are used: 1—6A7 as Mixer and Osc., 1—6K7 as I.F., 1—6Q7 as Det.-1st Audio, 1—6B5 as Power Output, 1—80 as Rectifier, 1—6G5 as Electric Eye.

• **GLORIOUS, RICH TONE.** The 6B5 power tube develops 3 full watts of undistorted power which is capably handled by the matched Jensen 6" electro-dynamic speaker in the table model and 12" speaker in the console. Whether voice or music, foreign or standard Broadcast, each sound is rich and full-bodied, recreating for you all the vitality and realism of the broadcasting studio. You'll thrill to the superb tone quality of the Knight 6.

• **KEEN SELECTIVITY AND SENSITIVITY** are assured by careful designing and assembling. The preselector stage sharpens tuning and increases selectivity. Automatic Volume control maintains smooth, constant flow of sound; continuously variable Tone Control permits accentuation of treble or bass to suit individual tastes. A world of radio entertainment awaits you with this new Knight 6. It is a fine musical instrument, priced unbelievably low.

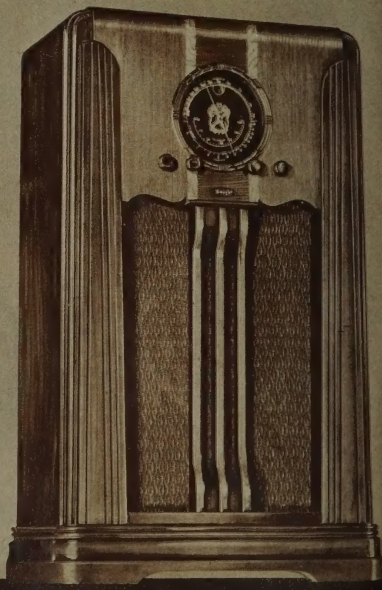
BEAUTIFUL NEW CONSOLE MODEL

The Knight All-Wave A.C. 6 is also offered in the magnificent console shown at the right. Splendidly proportioned, it features newest taper and roll-top design with attractive shaped pilasters flanking a rich instrument panel of vertically striped walnut. Has contrasting horizontally-grained center stripe with smart inlay trim. Hand-rubbed to lustrous piano finish. Supplied with 12" dynamic speaker. Console measures 39"x22"x12".

Console complete with 12" speaker and 6 multi-purpose Raytheon tubes. Shipping weight, 55 lbs. For 110 volts 60 cycle A.C. (May also be had with transformer for 115-130-150-220 volts, 60 cycle A.C. at \$2.00 additional.) Code: **SEED**
Retail Value, **\$67.50**
A9849. YOUR PRICE

\$33.95

WORLD-WIDE: 17-555 METERS



SUCH RADIO VALUES



WORLD-WIDE
All-Wave
RANGE

R.C.A. & HAZELTINE LICENSED

Knight 7 TUBE AC-DC SUPERHET

The Knight All-Wave 7 tube A.C.-D.C. Superhet in the attractive table cabinet shown above, complete with Raytheon tubes. For 110 Volts A.C. or D.C., 40 to 60 cycle operation. Shpg. wt., 19 lbs. Code: **HAND.**
A9805. Retail Value, \$39.95.

YOUR PRICE

\$20⁸⁵

The Knight 7 Tube A.C.-D.C. All-Wave Superhet is a brilliantly engineered receiver designed for sparkling All-Wave performance with superlative quality of tone. It makes use of the newest developments in radio to achieve unparalleled power, knife-edge selectivity and keen sensitivity. The table model is beautifully styled in a modern motif; it has the new roll-top effect, with front panel and top of one piece vertically-grained walnut. The striking beauty of this set is further enhanced by the smart marquetry inlay running through the speaker grille. The size is 19"x8"x10". The Knight A.C.-D.C. 7 is a full-sized set, yet it fits harmoniously on table, desk or mantel. Packed with the latest refinements, loaded with advanced features, this Knight 7 Tube A.C.-D.C. All-Wave Superhet is a typical ALLIED value, featuring high quality and superb 110 Volt A.C. or D.C. performance at a remarkably low price.

EXPORT MODEL

Same as A9805, but tunes 17-52, 172-555 and 800 to 2000 meters. Code: **SIDE.**
A9805E. **\$22-10**
NET

- **WORKS ON 110 VOLTS A.C. or D.C.**
- **TUNES 3 FULL BANDS**
- **FULL DYNAMIC SPEAKER**
- **AUT. VOLUME CONTROL**
- **10 TUNED CIRCUITS**

• **CONTINUOUS ALL-WAVE OPERATION:** Outstanding radio reception from everywhere is yours with the Knight All-Wave A.C.-D.C. 7. It tunes 17 to 52 and 52 to 172 meters for fascinating foreign and domestic short wave programs, and 172 to 555 meters for enjoyable American and Canadian standard Broadcast reception.

• **SPLENDID LIFE-LIKE TONE:** Full, rich tone is assured by the 6½" concert speaker in the table model and the oversized 8" speaker in the console. Every tone, every note, is brought in with vibrant reality. The superb tonal beauty of the Knight 7 tube A.C.-D.C. reproduces all programs with matchless clarity in your own home.

• **PRACTICAL VERSATILITY:** The Knight 7 will play anywhere. It performs equally well on either 110 Volts A.C. or D.C., 40 to 60 cycles. For 220 Volts A.C. or D.C. use line cord listed below.

• **BEAUTIFUL TRI-COLOR DIAL:** An added feature is the attractively-colored, fully illuminated airplane dial. Individual coloring for each wave band and accurate, easy-to-read calibrations make tuning quick and enjoyable. The table model is equipped with a 6" dial; the console model with an 8" dial.

• **NEWEST RCA LICENSED CIRCUIT:** The Knight 7 A.C.-D.C. incorporates one of the most advanced superheterodyne circuits licensed by the famous RCA and Hazeltine laboratories. It uses 7 of the latest Raytheon tubes as follows: 1—6A7 as Det. Osc., 1—6D6 as I.F., 1—76 as 2nd Det.-A.V.C., 1—6F5 as Audio, 1—43 as Power Output, 1—25Z5 as Rectifier, and 1—L40S as Ballast Tube. Other quality features are full A.V.C., continuously variable Tone Control, separate coils on each band, rubber-floated condenser, etc.

7 TUBE AC-DC CONSOLE MODEL

The Knight 7 Tube All-Wave A.C.-D.C. Superhet in console model, is offered complete with 8" dynamic speaker and Raytheon Tubes. For operation on 110 Volts A.C. or D.C., 40 to 60 cycles. Shpg. wt., 55 lbs. Code: **LAKE.**

A9806. Retail Value, \$64.50.

YOUR PRICE

\$31⁹⁵

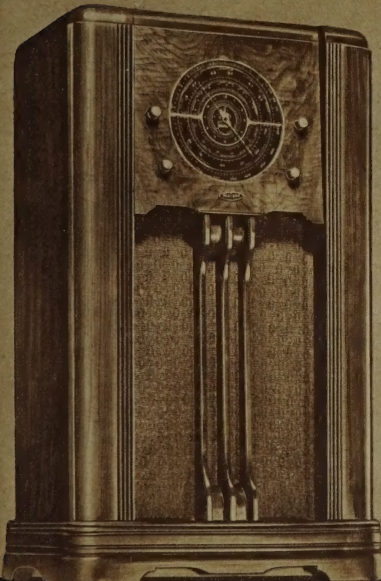
The Knight 7 Tube A.C.-D.C. All-Wave Superhet is also available in the beautiful console at the left. Front panel is of rich matched burr walnut. Has shaped and fluted pilasters and deeply recessed grille; includes 8" dial and 8" speaker. Size: 37x23x12½".

EXPORT MODEL

Same as A9806, but with meter range of 17 to 52, 172 to 555 and 800 to 2000. Code: **TRIM.**

A9806E. **\$33-20**

A9145. 220 Volt Adapter. For operating the Knight 7 tube A.C.-D.C. from 220 Volts A.C. or D.C. **NET 73c**

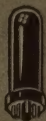


3 FULL BANDS: 17-555 METERS

A SMASHING HIT! NEW Knight TUBE



R.C.A.
METAL
TUBES



TUNES THE WORLD

- COVERS 16.4 TO 550 METERS
- WITH VISUAL ELECTRIC EYE
- NEW WAVE BAND INDICATOR
- "FLY-WHEEL" TUNING
- "TELL-TIME" DIAL SCALE

A new 11 Tube Knight A.C. Superhet. Packed with features—packed with value—radio's greatest buy in years—offered as a sensational "Leader" by ALLIED. This marvelous new Knight 11 Tube Superhet with metal tubes gives an altogether new and thrilling kind of radio reception, featuring easy tuning, three band world-wide coverage and high fidelity tonal reproduction. No other 11 tube radio has so many features at the price, so much quality and so much value. The Knight 11 Tube 3 Band Superhet should not be confused with receivers of "skimpy" design and construction. It is the one eleven tube set on the market that literally has everything.

• **TUNES 3 FULL BANDS.** Brings you the world—International Short Wave programs on 16.4 to 55 meters—Short Wave, Amateur, Police, Aircraft and Ship channels on 55 to 180 meters, and powerful coast-to-coast American and Canadian standard Broadcast on 180 to 550 meters. Tunes powerfully, sharply, dependably.

• **NEW 11" MAGNA-SPAN DIAL.** Radio's most amazing dial—with every new and exclusive device for simplified tuning—Electric Eye, visual Wave-Band Indicator, fly-wheel dialing, "tell-time" tuning, with minute-hand station selector, etc.

• **METAL TUBE CIRCUIT.** Powerful, super-efficient—R.C.A. and Hazeltine licensed. Every tube works; every tube contributes to develop the amazing power, keen selectivity and high fidelity tone which is consistently evident in Knight 11 performance.

• **BEAUTIFUL CONSOLE.** The Knight 11 is presented in a new rolled-top console with front and top of one piece vertically-striped walnut. Has attractive rounded, shaped platters and beautiful Roman-lyre shaped grille. Style finds a new, rich expression in this gorgeous console. Dimensions: 39 1/2" high, 23 1/4" wide, 13 1/4" deep.

• **NEW VITA-TONE SPEAKER.** Full giant 12 inch size. More sensitive, more powerful, more faithful—the secret of the full rich tone-depth of Knight 11 performance.

• **7 WATTS OUTPUT.** The use of 2—6GF6 metal tubes in a mighty power output stage, develops a pure undistorted output of seven watts, which is splendidly reflected in the flawless, rich tonal depth of the Knight 11.

• **MORE FEATURES.** Full-action Automatic Volume Control; Continuously Variable Tone Control; 3 gang rubber-floated condensers; 16 tuned circuits; R.F. Pre-amplifier; 1 Mv. sensitivity; 8 K.C. selectivity, etc.

CONSOLE MODEL COMPLETE

The Knight 11 Tube, 3 Band Superhet is offered complete in the beautiful console cabinet illustrated, with full 12 inch Vita-Tone Dynamic Speaker and 3-6K7, 1-6A8, 1-6H6, 2-6C5, 2-6F6, 1-5Z3 genuine R.C.A. Metal Tubes and 1-6G5 R.C.A. "Electric Eye" tube. For operation on 110 Volts, 60 cycles, A.C. Shipping wt. 75 lbs. Code: **GOLD.**

A9854. Retail Value, \$89.50.
YOUR PRICE

\$46.45

EXPORT MODEL

The Knight 11 Console Model, as described above but with special universal transformer for operation on 115, 130, 150, 230, 250 Volts, 40-60 cycles, A.C. Shipping wt. 75 lbs. Code: **KNOW.**

A9854E. Retail Value, \$94.50.
YOUR PRICE

\$49.45

RCA & HAZELTINE
LICENSED

\$46.45
COMPLETE
WITH R.C.A.
METAL TUBES

WORLD-WIDE AC SUPERHET

EXCLUSIVE!

FIVE



FEATURES



**POWERFUL NEW
VITA-TONE
12" SPEAKER**

11" MAGNA-SPAN DIAL

- FULL A.V.C. • VARIABLE TONE CONTROL
- R.F. PRE-AMPLIFIER • 3 GANG CONDENSER
- 7 WATTS POWER OUTPUT • PHONO JACK
- 16 TUNED CIRCUITS • NEW METAL TUBES
- GIANT 12" VITA-TONE SPEAKER

The Knight 11 Tube, 3 Band A. C. Superhet with 11 inch Magna-Span Dial and Metal Tubes is a wonderful combination of value, beauty and powerful performance. Packed with more advantageous features than can be found in any other eleven tube set built today. The Knight 11 gives complete mastery of everything on the air. Tunes 16.4 to 55 meters and 55 to 180 meters for all foreign, Amateur, Aircraft, Police and Ship broadcasts. Tunes powerful standard American and Canadian Broadcast between 180 and 550 meters. The Knight 11 is dependable and consistent because it embodies radio's finest tuning system, quality components and skilled workmanship. Never before in radio history has an 11 tube receiver of such superior quality been sold at so low a price.

A POWERFUL METAL TUBE CIRCUIT

The R.C.A. and Hazeltine licensed circuits of the new Knight 11 Tube A.C. Superhet is a real revelation in vast power, excellent selectivity and selectivity, and rich high-fidelity tone. The latest genuine R.C.A. metal tubes are used with exceptional efficiency as follows: 6K7 as R.F. Pre-Amp.; 6A8 as 1st Det.-Osc.; 6K7 as 1st I.F.; 6K7 as 2nd I.F.; 6H8 as Diode Det. and A.V.C.; 6C5 as phase inverter; 6C5 as 1st Audio; 2-6F6 as powerful push-pull power output stage; 6Z5 as rectifier. A 6G5 tube is used as "Electric Eye." A full 7 watt output is achieved by the mighty push-pull 6F6 metal power output stage. This enormous power is ably handled by the powerful tone-sensitive 12 inch Vita-Tone Dynamic Speaker. The use of the new metal tubes increases sensitivity and

gives better distance results, especially on the Short Wave channels; these tubes are perfectly self-shielding and are more quiet and stable in operation. They actually develop 13 tube efficiency by multi-function performance. The heavy-duty 3 gang condenser, R.F. pre-amplifier and 16 tuned circuits, assure uniformly powerful and dependable performance on each band. Full-acting Automatic Volume Control means freedom from fading and distortion. Continuously Variable Tone Control permits the correct adjustment of tonal response to bass or treble emphasis as desired. A phono jack is also provided. Every new and advantageous radio development has been incorporated in the circuit design of the magnificent Knight 11 to make it the finest eleven tube radio value ever offered.

The chassis of the new Knight 11 A.C. Superhet is a masterpiece of quality radio building. It is constructed of the finest materials exclusively, and is built to exacting standards of performance. The chassis measures 19 1/2" long, 11" deep and 9" high. It is entirely rubber-floated for stable operation. A 12" giant Vita-Tone Dynamic Speaker is included together with the 11" Magna-Span dial and escutcheon. There is no finer eleven tube radio chassis built today.

KNIGHT 11 TUBE CHASSIS MODEL

The Knight 11 Tube A.C. Superhet is offered also in de luxe chassis form. Supplied with giant 12" Vita-Tone dynamic speaker. Complete with 3-6K7, 1-6A8, 1-6H8, 2-6C5, 2-6F6, 1-6Z5 and 1-6G5 genuine R.C.A. tubes. For 110 Volts, 60 cycles, A.C. Shipping wt. 38 lbs. **Cost: GAIN.**

A9852.
Retail Value, \$72.50.
YOUR PRICE.....

\$35.95

EXPORT MODEL

The Knight 11 Tube Chassis as described above, but with special universal transformer for operation on 115, 130, 150, 230 and 250 volts, 40-60 cycles, A.C. Shipping wt. 38 lbs. **Cost: FORM.**

A9852E.
Retail Value, \$77.50.
YOUR PRICE.....

\$38.95

FLYWHEEL TUNING

A marvelous new tuning feature which makes quick and easy station logging possible. Permits the station selector to be turned fast or slow as desired. A flick of the finger on the tuning knob sets the spinning flywheel speed multiplier into action swinging the needle around 360° of dial scale in 5 seconds. The needle actually "coasts" to the station you want. There's no more laborious slow knob-twisting with Flywheel Dialing. And yet, you can fine tune positive vernier action with the same tuning knob. Another big Magna-Span dial feature is the "Tell-Time" tuning scale with split-second indicator which makes it simple to return to popular stations when you want them again.

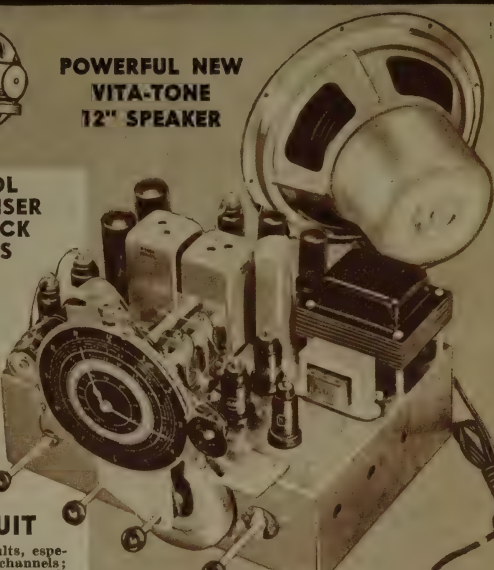
WAVE-BAND INDICATOR

An automatic wave-band indicator is incorporated in the exclusive Knight Magna-Span dial. It shows the band in use at a glance. An outstanding new feature of radio's most magnificent tuning system. The Magna-Span Dial is always easy-to-tune and easy-to-read. There are no complicated calibrations—no concentric circles and easy-to-read kilocycles and megacycles are arranged in four ground. Names of a rich royal blue background. Names of foreign countries are clearly indicated and popular channels are marked for quick reference. The Knight 11 is the world's easiest-to-tune radio.

ELECTRIC TUNING EYE

Contributes to perfect visual station finding. You tune with the eye as well as the ear. The "Electric Eye" is located on the left side of the 11" Magna-Span dial. It is actually a cathode ray tube which permits you to see when you are tuned in perfectly. This eye glows with a soft green light. A dark sector extending downward from the dark eye center, narrows as you tune stations; when this sector is narrowest you tune exactly for best tonal reproduction. The "Electric Eye" works effectively on all signals, weak or strong.

**NO OTHER
RADIO
OFFERS
SO MUCH
VALUE**



Knight RADIOS GIVE YOU

Guarantee..

Every KNIGHT Radio is covered by the Radio Manufacturers' Association Guarantee against defects in materials or workmanship over a period of three months from date of purchase. Any KNIGHT Radio that does not satisfy completely, if returned within 10 days, will be promptly adjusted by exchange, repair, or full refund, less transportation charges.

—ALLIED RADIO CORPORATION

**WE SAVE
YOU MONEY
Because
WE SELL
FOR CASH**

NEVER BEFORE HAS YOUR RADIO DOLLAR BEEN ABLE TO BUY SO MUCH

Today, KNIGHT Radios give you more for your money than ever before: more brilliant performance, finer tone, greater beauty, more exclusive features—features that you will find only in much higher priced sets. There is a new 1937 KNIGHT Radio for every purpose and purse—38 great models for home, farm, auto, boat, trailer, and camp—at prices starting from \$8.45. Every KNIGHT set is built of the finest materials by expert craftsmen. Only because of our vast resources and tremendous purchasing power are we able to offer these quality radios at such money-saving prices. Because we sell for cash, we eliminate the heavy overhead expenses involved in other more costly merchandising methods. These economies we pass on to you.

KNIGHT Radios are backed by ALLIED'S long-standing reputation as "Radio's Most Reliable Supply House." You get no "pig-in-a-poke" when you buy a KNIGHT—every set is fully covered by ALLIED'S liberal guarantee.

Study the descriptions of the KNIGHT Radios in the pages of this catalog—compare these sets point-by-point, feature-for-feature with any other set on the market using the same number of tubes at no matter what price—and you'll agree with us that these New KNIGHT Radios bring you the greatest profit-making opportunities in radio history.

QUALITY IS BUILT INTO EACH KNIGHT RADIO

No expense has been spared to make the new 1937 KNIGHT Radios the finest we have ever offered—their built-in quality is apparent at a glance. Each part—condensers, resistors, transformers, coils, speakers, tubes, etc.—has been carefully selected, matched, and pre-tested for durability and efficient performance. The latest developments of the foremost radio engineers have been incorporated, but only after the most rigid tests for practicability. As soon as each set comes off the production line, it is given a thorough examination in modern, well-equipped laboratories, for tone quality, sensitivity, selectivity, volume capacity, and all-around performance. This careful check-up is your assurance that every KNIGHT Radio will give long, reliable, brilliant performance. Furthermore, every KNIGHT Radio is licensed under R.C.A. and Hazeltine patents, so that you receive the full benefit of the newest engineering developments from these great laboratories. KNIGHT Radios have always been famous for quality. This year, as always, we adhere rigidly to our exacting standards and offer the highest quality radios you can buy—at the lowest prices.

IN THE LABORATORY



PRECISION COIL WINDING



**ALL KNIGHT RADIOS
ARE R.C.A. AND
HAZELTINE LICENSED**

A PRODUCTION LINE



SUB-ASSEMBLY LINE



THE TESTING BOOTHS



CABINET ASSEMBLY



READ WHAT THEY SAY

"I sure am pleased with the 11 tube KNIGHT I purchased . . . It sure is a 'lot of radio' and the tone quality and the selectivity on all bands just seems incredible. I expect I'm going to be able to sell quite a few. . ."—A. C. Rules, Waukegan, Ill.

"This is a wonderful little receiver and does all that could be expected . . . the purchaser . . . is well pleased."—T. A. Robinson, Ellenboro, W. Va.

"I have listened to 114 stations on the broadcast band in the U.S.A., Canada and Mexico with my (Knight) set. Also I have heard WJAR at Parkersburg, Va., a 100 watt station, and I am using a bed-spring for an aerial."—Col. C. G. Bledsoe, Milwaukee, Wis.

"We are pleased to the point where the result will be, more orders from time to time for you."—City Distributing Co., Huntington, W. Va.

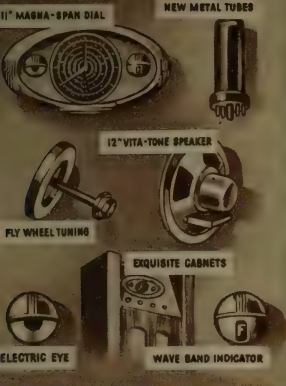
"I have owned several well-known makes of radios, but your KNIGHT radios are the best of them all."—S. Rounds, Wood River, Neb.

"Received the KNIGHT Radio . . . in good shape and it works fine. It has a fine tone and looks nice. Seems to be a good radio in every respect. . . I hope to be able to order some more in the near future."—Smithville Telephone Co., Smithville, Ind.

"Please send me full particulars regarding your sales work and plans. The radio I sold . . . is giving complete satisfaction and bringing with it another order for a radio and two windchargers."—T. M. Bond, Tishomingo, Okla.

"I certainly am pleased with the radio . . . as I have had satisfactory reception from 12 different countries."—R. L. Byers, Whitewodd, S. Dak.

MORE FOR YOUR MONEY



EXCLUSIVE FEATURES IN THE NEW KNIGHT RECEIVERS

The new 1937 KNIGHT Radios incorporate the latest developments in radio design. New, exclusive features are offered in every set. Exhaustive tests have demonstrated their usefulness in making for greater radio enjoyment.

- The new giant 11" Magna-Span dial offers convenient, accurate tuning on every wave band. It's easy to read, accurately calibrated, and includes "Electric Eye," Wave Band Indicator, fly-wheel and tell-time tuning. This dial is found in the new KNIGHT receivers, shown on pages 8 and 9, 12 and 13, 138 and 139.

- New Perfected RCA-Radiotron and Raytheon metal tubes are used in many KNIGHT receivers. These tubes are perfectly self-shielding, quieter in operation, and assure more sensitive reception.

- The newly developed Fly-wheel Tuner gives you quick, complete, convenient mastery of the whole tuning range. The dial hand literally "coasts" to any point on the dial, making tuning effortless and time-saving. This new device is included in the 1937 KNIGHT sets, described on pages 8 and 9, 12 and 13, 15, 138 and 139.

- The mighty Vita-Tone super-dynamic speakers, used with practically every KNIGHT A.C. receiver reproduce each program whether music or speech with highest fidelity, startling vitality, and true wide-range realism. This new type of speaker handles full output without the slightest trace of distortion and is equally effective at fullest or lowest volume.

- The unerring Electric Eye, which is used in the new 1937 KNIGHT tube radios shown on pages 6, 8-9, 12, 13, 14, 15 and 143, provides scientifically accurate tuning through the use of the magic Cathode Ray tube. Glowing with a green light, this "eye" enables you to "see" when your station is perfectly tuned.

- The new Visual-Wave Band Indicator eliminates guessing and shows you instantly the wave-band that is in use. This great feature is incorporated in many of the new 1937 KNIGHT sets.

- Exquisite, new cabinets, created by America's leading designers, are fitting complements to the powerful chassis they house. Built of finest woods, they are thoroughly tone-conditioned for fullest resonance.

All of these features are exclusive in the new 1937 KNIGHT Radios. Enjoy radio at its finest with these new sets.

OUTSTANDING PERFORMANCE

There's no secret about the phenomenal sales of KNIGHT Radios. Performance is the key—reliable, efficient, brilliant performance that has made thousands of satisfied customers. This is the result of the careful selection and matching of component parts, together with highly skilled workmanship. Each type of set has been planned individually to bring out the fullest performance of which that type is capable. No matter whether you purchase an All-Wave, Dual-Wave or Standard Broadcast KNIGHT for AC, AC-DC or battery operation, you can be sure that you are getting the best and most economical performance. That is why we say that KNIGHT Radios, in every way, give you more for your money.

***Knigh*t**

PEERLESS BEAUTY

The incomparable beauty of the new 1937 KNIGHT Radios is the result of careful co-operation between the country's leading engineers and designers. The cabinets are built of the finest woods obtainable and reflect careful craftsmanship. Each cabinet, whether console or table model, is individually matched to the chassis it houses. Not only are the cabinets designed for utility, but also for graceful, pleasing beauty that harmonizes perfectly with modern interiors—beauty that makes every KNIGHT owner proud of his set. KNIGHT Radios have been planned with an eye to the future—they will be in style years hence. A glance at the photographs in this catalog will convince you of their outstanding quality and beauty.

ABOUT *Knigh*t RADIOS

"... the KNIGHT 5 Superhet ... beats everything in price near it—I expect to order some more in the near future."
—L. S. Zetrouer, Newport, Ky.

"I have just received your 5 tube dual wave battery receiver ... and take this opportunity to tell you that it is an exceptionally fine receiver for the price you ask. I look forward to selling more of these receivers."
—E. Farvolden, Sugden, Alta., Canada.

"The KNIGHT Seven with metal tubes ... is very sensitive and has low background noise with a clean-cut selectivity and natural tone quality that charms all hearers. ... England, France, Germany, and Japan have given me really fine quality signals ... the evening reception is most excellent also ... it's a good set—and how you can produce them at the price is beyond me."
—T. P. Crowther, Victoria, B. C., Canada.

"I'm enclosing an order for another radio. The one I ordered a few days ago is giving satisfaction. The man is well pleased with it."
—F. Boswell, Norris, Tenn.

"Received my KNIGHT 5 tube Superhet yesterday and am well satisfied with it. ... I cannot praise this radio high enough as to reception and tone qualities."
—L. Michels, Ft. Wayne, Ind.

"I have ordered several of these (Knight) sets before and find that they are real bargains. I am a radio technician and know what a radio needs; and this one really answers all the wants of a low-priced good radio."
—Joe Nightingale, Santa Barbara, Calif.

"The other 10 tube Knight we received from you is satisfactory and customer satisfied."
—Rex Laboratories, Cardondale, Colo.

**38 MODELS
TO CHOOSE FROM**
*A Radio for Every
PURPOSE & PURSE*

HOMES



FARMS



AUTOS



BOATS



TRAILERS



SUMMER HOMES



CAMPS



**FOR THE
FIRST TIME**

Knight TUBE Masterbilt AC SUPERHET

America's most powerful and most beautiful radio. A magnificent new instrument into which every known circuit development, every worthwhile feature known to radio science has been incorporated. Absolutely the finest radio money can buy, built for the discriminating purchaser who wants the best. The last word in massive beauty and style, powerful four band coverage, and highest tonal fidelity. 19 working tubes, double chassis of battleship construction, two giant 12 inch Vita-Tone Electro-dynamic speakers, newest metal tubes and scores of other outstanding features. No other radio, regardless of price, has so much to offer.

Tunes the WORLD

COVERS 3 FULL BANDS

16.4 TO 55 METERS
55 TO 180 METERS
180 TO 550 METERS



- 11" MAGNA-SPAN DIAL
- ELECTRIC TUNING EYE
- WAVE BAND INDICATOR
- FLYWHEEL TUNING
- TELL-TIME RE-LOCATOR
- 340° POINTER SWING
- MINUTE-HAND BANDSPREAD
- LATEST SUPERHET
- NEWEST METAL TUBES
- 1-MV. SENSITIVITY
- 8KC SELECTIVITY
- MASSIVE CABINET

- TWO RADIO CHASSIS
- 2-12" VITA-TONE SPEAKERS
- GIANT 30 WATTS POWER
- CLASS "AB" P.P. OUTPUT
- BASS COMPENSATION
- AUT. TONE CONTROL
- AUT. VOLUME CONTROL
- PRE-AMPLIFIER STAGE
- TONE CONTROL
- 16 TUNED CIRCUITS
- 3 GANG CONDENSER
- PHONO CONNECTION

Super

**POWER·COVERAGE
TONE·QUALITY**

SURPASSES THEM ALL

The new Knight 19 Tube Masterbuilt A.C. Superhet is the product of the finest efforts of radio engineering. It is the supreme development in a radio instrument capable of providing endless enjoyment. Covers the whole world on three powerful bands. Tunes 16.4 to 55 meters for world-wide Short Wave broadcasts; 55 to 180 meters for Short Wave Police, Amateurs, Ships and Commercial signals; 180 to 550 meters for all Standard Broadcast and upper Police channel. A performer without a peer—distinguished for its power, its tone and its beauty. Offers boundless sensitivity, magnificent power and radio's simplest tuning arrangement. The R.F. Tuner chassis uses genuine R.C.A. metal tubes for strong signal pickups; the Audio Amplifier chassis uses glass type tubes for a mighty output of full 30 watts. 2-12" Vita-Tone speakers are provided. More than 40 distinctive features are incorporated. (Detailed description on next page). The console in which the 19 tube Knight is housed is a gorgeous, massive creation with rolled top and front of selected beautiful butterfly-grained butt walnut. Front panel slopes slightly to give convenient angle of vision to dial and controls. Upper pilasters are semi-rounded and continue in one piece from front to side; have marquetry inlay. Lower pilasters each have grille. Large center grille is rounded for better tonal depth and is covered with pleated silk grille cloth. The entire console is hand-rubbed to a high plane finish. Dimensions: 45" high, 28" wide, 15½" deep.

ASBOS. The Knight 19 Tube Masterbuilt A.C. Superhet in massive console illustrated, complete with dual chassis, 2-12 inch Vita-Tone dynamic speakers and genuine R.C.A. Tubes. For operation from 110 Volts, 60 cycles A.C. Shpg. wt. 180 lbs. Code: 8581. Retail Value, \$225.00.

YOUR PRICE, ONLY.....

\$99⁵⁰

RCA & HAZELTINE
LICENSED

AB TUBE **WONDER RADIO** \$ **99.50** WITH RCA TUBES WITH *Exclusive Features for only*



DUAL
Dreadnaught
CHASSIS →

GIANT 30 WATT OUTPUT

A mighty Class "AB" Push-pull output style using four tubes is employed in the audio amplifier chassis of the Knight 19 tube Superhet. The result is an unparalleled pure power output of full 30 watts. This tremendous power is ably handled by the 2-12 inch Vita-Tone dynamic speakers. Tonal realism is further enhanced by the use of bass compensation which builds up low notes at small volume. The giant output of the Audio Amplifier makes possible full tone depth giving the sound which comes from the speakers remarkable realism, making it actually a tone picture of the exact original studio performance. From a whisper to full symphonic volume, the output of the Knight 19 tube Superhet is always under control.

NEW MAGNA-SPAN DIAL

Radio's newest marvel—absolutely revolutionizes tuning. Includes: 1. 1 inch oval size. Includes: "ELECTRIC EYE" for the dark sector in the tuning. "ELECTRIC EYE" for sharp visual tuning. Works on all signals—shows at a glance. • WAVE BAND INDICATOR—shows at a glance the band you are tuning. • FLYWHEEL DIALING. You simply twist the tuning knob and the pointer spins to the station you want. • "TELL-TIME" RE-ING. • dial is marked like the tedious knob-twisting. • "time-logging" LOCATOR. Outer circle of the tuning face of a clock. Two pointers, acting as minute and second hands, make "time-logging" easy. Makes it simple to return to popular stations when you want them again. It's easy to tune the "Tell-Time" way. • CLEAR CONCENTRIC CALIBRATIONS. A separate scale for each band.

FEATURES — FEATURES — FEATURES!

You'll find more worthwhile new features in the Knight

19-Tube Superhet than in any other radio built today. • **THREE FULL WAVE BANDS.** Complete coverage of everything that's broadcast in the world today. Gets everything with amazing ease and power. • **DUAL DREADNAUGHT CHASSIS.** Built like battleships—one for perfect R.F. tuning, the other for super-powerful audio amplification. Finest components are used throughout; workmanship is superb. • **TWO 12" VITA-TONE SPEAKERS.** The finest available; true-toned, powerful—rendering highest fidelity tone at all volume levels. • **11" MAGNA-SPAN DIAL.** The dial with five exclusive features: "Electric Eye," Flywheel dialing, Wave Band Indicator, "Tell-Time" Scale, 340° concentric calibration. • **LATEST TUBES.** Genuine R.C.A. tubes throughout—latest multi-function all-metal types in the tuner chassis, glass types in the audio amplifier. Develop full 30 watts output, amazing sensitivity, split-hair selectivity. • **AUTOMATIC TONE CONTROL.** Assures practically silent tuning between stations. • **AUTOMATIC BASS COMPENSATION.** Boosts the low notes to bring you the true full richness of both voice and orchestra. • **AUTOMATIC VOLUME CONTROL.** Effectively maintains uniform volume; prevents fading; guards against distortion. • **CONTINUOUSLY VARIABLE TONE CONTROL.** Permits accentuation of bass or treble as desired. Enhances the natural tonal beauty of the receiver. • **MORE CIRCUIT FEATURES.** New R.C.A. licensed design. 3-gang rubber-foisted condenser (heavy-duty type) for increased stability and selectivity; 16 tuned circuits; R.F. Pre-amplifier stage; Pre-selector stage; 1 M.V. sensitivity; 8 K.C. selectivity; phono connection, etc. The Knight 19-Tube Masterbilt A.C. Superhet, by virtue of brilliant engineering, superb quality of materials and precision custom manufacture, is America's first luxury radio—available now for the first time at a popular price.

2-12" "VITA-TONE" SPEAKERS

Two giant 12 inch Vita-Tone Electro-dynamic speakers are used in the Knight 19 Tube Superhet. These newly-developed extra-large speakers have the capacity to provide auditorium volume of rich and natural tone quality, free from distortion. Tone is equally rich and true when volume is reduced to a whisper. These new speakers are the secret of the 19 Tube Knight's luxurious tone depth, both music and voice.

AMAZING NEW CIRCUIT

The circuit used in the Knight 19 Tube 3 Band Superhet is a product of the long experience of some of the country's leading radio engineers. The latest type tubes are used as follows: In the R.F. Tuner—6X7 as R.F. Pre-amplifier; 6A5 as Osc.; 6X7 as 1st I.F.; 6X7 as 2nd I.F.; 6H6 as Diode Det.; 6F5 as Audio Amp.; 2-5W4's as parallel full-wave rectifiers; 6X7 as Automatic Tone Control; 6G5 as visual indicator. In the Audio Amplifier: 35 as 2nd Audio; 42 as Triode driver; 6F7 as Automatic Bass Compensation; 4-45's as Class "AB" push-pull output stage; 5V4G as power rectifier; 80 as bias rectifier. All vital circuits are thoroughly shielded. An oversize, shielded Underwriter's Approved power transformer is used. Tuner size: 12½"x11"x9". Amplifier: 20"x9"x7".

CHASSIS MODEL

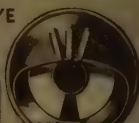
The Knight 19 Tube 3 Band Superhet is available in chassis form, less cabinet. Includes dual dreadnaught R.F. Tuner and Audio Amplifier chassis; 2-12 inch Vita-Tone Dynamic Speaker and complete set of R.C.A. tubes. 11 inch Magna-Span dial escutcheon and knobs are included. For operation on 110 Volts, 60 cycles A.C. Shpg. wt., 70 lbs. Code: WELL. A luxurious radio chassis worthy of installation in the richest cabinet. Absolutely beyond comparison for outstanding performance and amazing value.

A9855.
 Retail Value, \$165.00.
YOUR PRICE ONLY.

\$75.00

Knight II TUBE A.C. SUPERHET

WITH THE ELECTRIC EYE



10 INCH
SPEAKER

TUNES 4 FULL
BANDS 16-550
850-2140 METERS

R.C.A. & HAZELTINE LICENSED

\$49.95
WITH R.C.A. TUBES

- NINE NEW TYPE METAL TUBES
- GIANT 6½" COLOR DIAL • ELECTRIC EYE
- BASS COMPENSATION • FULL A.V.C.
- TONE CONTROL • BANDSPREAD
- VITA-TONE DYNAMIC SPEAKER
- HIGH FIDELITY CONTROL • 10 WATTS OUTPUT
- PRE-SELECTION • DOUBLET PROVISION
- PHONO CONNECTION • NEW CABINETS

A magnificent new 11-Tube 4-Band Superhet designed for full rich reception of everything on the air. Covers the complete range: 14-48 meters and 48-167 meters for consistently reliable Short Wave foreign, amateur, aviation, and police calls; 167-550 meters for powerful long-distance reception of standard American and Canadian Broadcast. And, in addition, a new exclusive full range from 770-2260 meters for American weather band and Time Signals. Featuring every bit of luxury refinement:

• **Giant 6½" Color-Band Dial.** Easy-to-read—even a child can tune it perfectly. Has two-speed band-spread action; masters every band perfectly. Automatically indicates band being tuned. Uses the magic new "Electric Eye" for visual tuning; this is actually a cathode-ray tube which miraculously provides ultra-selective precise tuning; when the dark sector of the "Eye" is narrowest you are tuned in perfectly—then you turn the volume up and the program flows in—perfect, distortionless, full and rich. Truly a magic tuning dial.

• **Metal Tube Efficiency.** Nine genuine multi-function metal tubes and two glass types are used effectively in this great new Knight II Tube Superhet. These new metal tubes are "sealed in steel," and are perfectly self-shielding; they give fullest sensitivity to the circuit; they reach out farther and provide perfect reception of even the most distant, difficult-to-get foreign stations. The new tubes are used in the Knight II as follows: 6K7 as R.F.; 6L7 as Mod.; 6J7 as Osc.; 6K7 as I.F.; 6H6 as Det.-A.V.C.; 2-6C5 as 1st and 2nd Audio; 2-6F6 as push-pull power stage; 5Z3 as rectifier; 6E5 as "Electric Eye." You get the most from each of these tubes—reflected in consistently powerful performance on every band.

• **Outstanding Features.** In the Knight II, the whole tonal range is scientifically controlled with full, effective A.V.C., Tone Control, High Fidelity Control, and the revolutionary new bass compensated volume control for full range treble and bass reproduction of voice and music. Other features include: three gang condenser, high-gain I.F.'s, and R.F. pre-selection on all bands for uniform sensitivity and power on all four tuning ranges. Full 10 watts output is assured by the tremendous push-pull 6F6 power stage—and it is masterfully handled and rendered as high-fidelity, lifelike tone by the newest Vita-tone dynamic speaker. Phonograph and doublet antenna connections are also provided.

• **Table Model Complete.** The Knight II is offered in an artistically signed table cabinet in the new "low-boy" style. The finest walnut woods are combined harmoniously. Gracefully proportioned; done in a rich, hand-rubbed finish. Measurements: 25½" x 12½" x 23½". Supplied with full, concert size 10" Vita-Tone dynamic speaker and 2-6K7, 1-6J7, 2-6C5, 2-6F6, 1-6H6, 1-6L7, 1-5Z3, 1-6E5, R.C.A. Tubes. For 110 Volts, 60 cycles A.C. Shpk. wt., 51 lbs. Code: FLAG.

A9830. Retail Value, \$107.50.

YOUR PRICE

\$49.95

• **De Luxe 11 Tube Console Model.** The Knight II Tube, 4 Band All Wave Superhet is also available in the magnificent console pictured at the left. The front of this luxurious cabinet is finished in delicately striped walnut with curved side pilasters of beautifully figured burl walnut with contrasting grained top trim. Designed with a recessed grille for maximum tonal effect and perfect acoustical results. Size: 30½" high, 23½" wide, 13½" deep. Includes all features described above. Furnished with powerful 12 inch Vita-tone dynamic speaker. Complete with R.C.A. tubes. For 110 volts, 60 cycles A.C. Shpk. wt., 85 lbs. Code: EASE.

EXPORT MODELS

The Knight II Tube 4 Band All-Wave Super is available equipped for 220 volts, 60 cycles at \$150 additional. Also available for universal operation on 95-260 volts, 25-60 cycles at \$3.50 additional. When placing order, specify voltage required.

A9831

Retail Value, \$137.50.
YOUR PRICE

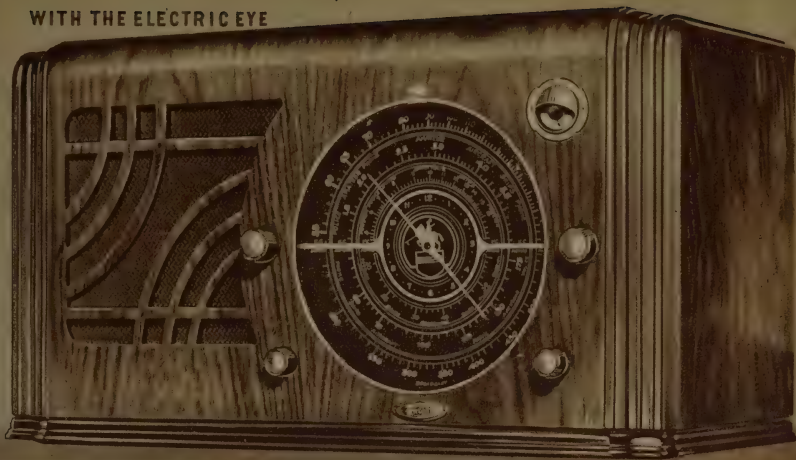
\$62.85

12 INCH
SPEAKER

WITH *Genuine* ALL-METAL TUBES

WITH THE ELECTRIC EYE

3 FULL
BANDS
WORLD-
WIDE
RANGE



Knight 8 TUBE A.C. SUPERHET

Here is a marvelous new Knight 8 Tube A.C. Superhet with new features and new style—a distinctive receiver that tunes everything on the air in three continuous wave bands. Covers 16.5 to 52 meters for World-Wide Short Wave programs; 52 to 172 meters for Amateur, Police, Ship and Airplane conversations; 172 to 555 meters for powerful American and Canadian Standard Broadcast. Brings you an altogether new concept of radio enjoyment, featuring easy tuning, world-wide coverage and hi-fidelity. Has big important features you can see and touch.

• **GIANT 8" COLORED DIAL.** Each band has a distinctive color and is clearly calibrated and fully illuminated. Has "clock scale" for quick "tell-time" reference tuning. • **ELECTRIC EYE.** Enables you to tune stations in visually. When dark sector of eye is narrowest you are perfectly tuned in. • **FLYWHEEL DIALING.** Gives variable speed to station selector. You can tune with vernier accuracy or you can spin the tuning knob so that the pointer fairly coasts to the desired program saving you laborious knob turning.

• **NEW OCTAL GLASS TUBES.** Develops actual 10 tube efficiency with 8 new type tubes used as follows in the latest R.C.A. licensed circuit: 6KTG as R.F.; 6AR8 as Det.-Osc.; 6KTG as I.F.; 6H6G as 2nd Det.-A.V.C.; 6F5G as Hi-gain Audio; 6F6G as Power Stage; 6G5 as Electric Eye; 5Y3 as rectifier. • **4½ WATTS OUTPUT.** Wonderful audio power always in reserve, dependably handled by the full new type Vita-Tone Electro-dynamic speaker. • **BASS COMPENSATION.** Gives the bass notes their proper accentuation at every volume level assuring rich, hi-fidelity tone.

• **AUTOMATIC VOLUME CONTROL.** Assures uniform noise-free volume. • **VARIABLE TONE CONTROL.** Permits emphasis of bass or treble as desired. • **AND—new 3 gang bar-construction tuning condenser, 11 tuned circuits; separate coils for each band; RWF. on broadcast, etc.**

The Knight All-Wave 8 is presented in a splendid new "laydown" type table cabinet. Features attractive roll-top effect with front face and top of one piece matched striped walnut. Has beaded, recessed side panels. Hand-rubbed to a high piano finish. Dimensions: 23x12½x10".

SET COMPLETE

The Knight 8 Superhet in table cabinet, complete with full 8 inch dynamic speaker and Raytheon tubes. For 110 Volts, 60 cycle, A.C. Shpg. wt., 25 lbs. Code: FINE.

A9807. \$29.95
Retail Value, \$59.95.
YOUR PRICE

EXPORT MODEL

As above, but with following tuning range: 17-52, 172-555 and 800 to 2000 meters. For 110 Volts, 60 cycle A.C. Code: SONG.

A9807E. \$31.20
Retail Value \$62.45.
YOUR PRICE

Special universal transformer for operating either of above models on 115-130-150-220 Volts A.C. is available at \$1.75 additional.

R.C.A. & HAZELTINE
LICENSED

WITH
GIANT
8-INCH
COLOR
DIAL

\$29.95
WITH RAYTHEON TUBES



GORGEOUS CONSOLE MODEL

The Knight 8 Tube All-Wave Superhet described above is available also in a new type of floor console which represents the ultimate in fine cabinet design. Beautifully constructed of choice woods. Has sloping roll-top instrument panel of exquisitely matched burl walnut, flanked by curved pilasters of striped walnut. Front face and top have center inlay of choice marquetry. Grille opening is provided back of shaped pilasters as well as center. The entire cabinet is carefully hand-rubbed to a high finish. Dimensions: 42x24x13½". Supplied with a deluxe 12 inch Vita-tone Electro-dynamic Speaker.

The Knight 8 Superhet in floor console with 12" speaker and Raytheon tubes. For 110 Volts, 60 cycle, A.C. Shipping weight, 65 lbs. Code: MILL.

A9808. \$45.85
Retail Value, \$89.50.
YOUR PRICE

EXPORT MODEL

As above but with following tuning range: 17-52, 172-555 and 800 to 2000 meters. For 110 Volts, 60 cycle A.C. Code: BOAT.

A9808E. \$47.25
Retail Value, \$92.50.
YOUR PRICE

Special universal transformer for operating either of above models on 115-130-150-220 Volts A.C. is available at \$1.75 additional.

555 METERS

THREE BANDS
6 1/2" INCH DIAL
3 WATTS OUTPUT

RCA AND HAZELTINE LICENSED

Knight 5 TUBE AC SUPERHET

With MULTI-PURPOSE All Metal TUBES

- ALL-WAVE TUNING RANGE
- FIVE R.C.A. METAL TUBES
- AUTOMATIC VOLUME CONTROL
- VARIABLE TONE CONTROL
- GIANT VERNIER TUNING DIAL
- 3 GANG TUNING CONDENSER
- 6 1/2" DYNAMIC SPEAKER
- NEW LOW-BOY CABINET

This beautiful, deluxe Knight receiver is the finest 5 Tube radio built today. Its generous power, keen sensitivity, and sharp selectivity make it comparable to many 7 and 8 tube sets. Offers superb coverage on three full bands, ranging from 18 to 550 meters; covers 18 to 52 meters for foreign short wave programs, 56 to 175 meters for Police, Aviation, and Amateur signals, and 175 to 550 meters for powerful long distance reception of all American and Canadian standard broadcasts. Employs 5 new multi-purpose metal tubes in the latest R.C.A. licensed superhet circuit. Has a fully illuminated 3 color 6 1/2" airplane dial which makes tuning easy and accurate. Outstanding features are: Continuously Variable Tone Control for personal tone selection, Automatic Volume Control for smooth, noise-free operation, 3 gang heavy-duty rubber-floated condenser for added stability; 6 1/2" Electro-dynamic speaker, 11 tuned circuits, etc.—all making for greater refinement and enjoyment of radio reception.

STRIKING BEAUTY

Everyone will admire the graceful table cabinet of the Knight 5. Tastefully designed in the new lay-down style: top and front are rolled from a single piece of choice vertically grained American walnut, hand-rubbed to a lustrous piano finish. Corners are attractively routed. The speaker grille is pleasingly proportioned while the dial-plate is simple and clean-cut. Dimensions: 18" long, 9 1/2" high, 8 1/2" deep. Fits in anywhere—on table, mantel, bookshelf, etc. Truly a cabinet to delight the eye—the ideal radio for any setting.

SPLENDID TONE

Life-like rendition of both voice and music at any volume level is a significant feature of this 1937 Knight. The pure 3 watts output is flawlessly handled by the heavy-duty 6 1/2" dynamic speaker. From a whisper to full volume, you get tonal response at its finest. The tone of the Knight 5 is consistently brilliant in richness and fidelity. Each program—domestic or foreign—is reproduced with uniform clarity. Even the most critical radio listener will heartily endorse the life-like reproduction of the Knight 5.

POWERFUL METAL TUBE SUPERHET CIRCUIT

The deluxe Knight 5 incorporates the latest high-gain superheterodyne circuit, using 5 genuine R.C.A. metal tubes resulting in higher efficiency, greater stability, quieter operation. The tubes used are: 6A8 as 1st Det.-Osc.; 6K7 as I.F.; 6Q7 as Diode-Det., A.V.C., 1st Audio; 6F6 as Pentode output; 5W4 as rectifier. This combination attains actual 3 tube efficiency. The 6F6 Metal Pentode develops full 3 watts output. 10 kilocycle selectivity is consistently attained. Three-gang rubber floated condenser and R.F. pre-selector assure maximum performance on all three bands. Other features are Full A.V.C., Tone Control, 11 tuned circuits.

ALL-WAVE RANGE

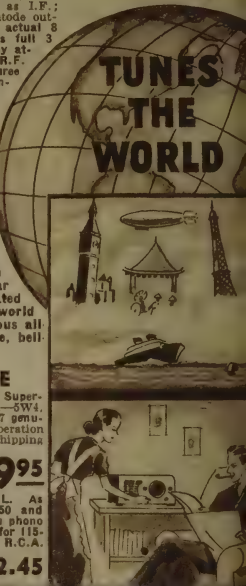
Thrilling world-wide all-wave radio entertainment is yours with the Knight 5. Its tuning range covers three full bands with powerful reception of Short-Wave foreign programs from 18 to 52 meters; Airplane, Amateur, and Police signals from 56 to 175 meters, and flawless coast-to-coast standard American and Canadian Broadcast from 175 to 550 meters. Tricolor 6 1/2" airplane dial simplifies tuning; each band is individually colored, while numerals are large and clear. Tunes with smooth vernier action, 15 to 1 ratio. Popular foreign station areas on the dial are indicated by countries. The Knight 5 tunes all the world and brings you a fine combination of luxurious all wave reception together with powerful volume, bell-like clarity, and rich, brilliant tones.

SET COMPLETE

The new Knight 5 tube A.C. Superhet is offered complete with 1—5W4, 1—6A8, 1—6Q7, 1—6F6, 1—6K7 genuine R.C.A. metal tubes. For operation on 110 Volts, 60 cycle A.C. Shipping weight, 20 lbs. Code: SING. Retail Value, \$39.50.

\$19.95
A9857-7
A9857-7. EXPORT MODEL. As above but tunes 18-52, 175-550 and 800-2000 meters. Equipped with phono lock and universal transformer for 115-250 volts A.C. operation. With R.C.A. tubes. Code: HEAR. Retail Value, \$44.50.
\$22.45
YOUR PRICE

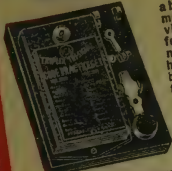
\$19.95
COMPLETE WITH
Genuine RCA
METAL TUBES



ALL-WAVE: 8-550 METERS

FEATURE VALUES

TRIPLEX SIGNALLER



A neat, durable, instructive signal device that provides three different methods: a high frequency buzzer, similar to a radio signal; a blinker light, as used by the Navy; and a telegraph sounder. Ideal for any telegraph or radio code, or blinker signalling.

one who wishes to become familiar with telegraphy or radio code, or blinker signalling.

HAS CODE INSTRUCTION CHART

Easy-to-read code chart is mounted on the signal box, for quick reference. Easy to install and operate—2 No. 2 flashlight batteries enable quick change on panel board enabled to another; clips from one type signal to an additional set. With complete instructions and bulb but less batteries.

A5552. SINGLE UNIT. **88c.**
YOUR PRICE

A5553. DOUBLE UNIT, **\$1.91**
With 60 ft. of wire. NET

KNIGHT 5-inch MAGNETIC SPEAKER

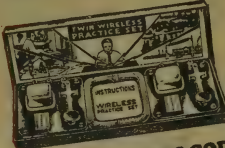


A midget in size but big in results. This splendidly designed midget speaker has a wide field of usefulness with midget sets, battery sets, additional speaker connection, room connection, room connection, etc. Sturdily made with heavy stamped frame. Heavy permanent magnet of oversized "Chrome" steel develops exceptional power. Very sensitive range, assuring accurate reproduction with clarity and clarity. A high-quality speaker in every respect—designed to give the finest tonal reproduction at all times. Shipping weight, 2 lbs.

for broadcast, auto sets, etc. Heavy made with heavy stamped frame. Heavy permanent magnet of oversized "Chrome" steel develops exceptional power. Very sensitive range, assuring accurate reproduction with clarity and clarity. A high-quality speaker in every respect—designed to give the finest tonal reproduction at all times. Shipping weight, 2 lbs.

A Super Value.
A0251. YOUR SPECIAL PRICE **\$1.13**

SIGNAL-TWIN WIRELESS CODE PRACTICE SET



LEARN WIRELESS CODE

A practical, scientifically designed set, invaluable for learning wireless code. Consists of two complete "stations," each equipped with key, buzzer, and easy-to-read code plate mounted on a sturdy, attractive base. 75 feet of wire supplied for interconnecting the stations; may be operated up to 1000 ft. apart by standard dry wire. Operate with standard dry wire. Complete with instructions, in attractive Maroon and Gold display box. An inexpensive practice set for those who wish to learn the code. Shpg. wt., 2 1/2 lbs.

A7700. **\$2.03**
YOUR PRICE

FEDERAL HOME BROADCASTERS

DELUXE MODEL



An efficient novelty microphone for home radio use. Easily connected to any set. Offers endless entertainment; make your own broadcasts and announcements. Push-button controls operation. Attractive green-bronze finish. 5" high. Wt., 1 lb.

A5111. **79c.**
NET, EACH

STANDARD MODEL

Similar to the above model, but smaller. In bronze metal case, 3 1/2" high. Complete with adapters and instructions. A practical and amusing home microphone at an exceptionally low price. Wt., 12 oz.

A5112. **54c.**
NET, EACH



DURABILT ELECTRIC SOLDERING IRON



50
WATT
SIZE

A compact, efficient soldering iron of durable construction. Ideal for all light-duty soldering jobs; the compact construction of this iron makes it extremely practical for radio construction work. Nickel lead wires, due to their great resistance to heat, assure long life and dependable service. Scientific design keeps handle cool. Overall length only 10 1/2"; removable tip 3/4" dia. Supplied with heater cord and plug. Consumes 50 watts. A high quality soldering iron at an unusually low price.

A6211. YOUR SPECIAL PRICE **55c.**
DOZ. LOTS **\$5.75** EACH

RADIO PHYSICS COURSE

By A. A. CHIRARDI

The latest enlarged and revised edition of radio's leading textbook. Offers a complete course in radio and electricity. Written in easy-to-understand language. Invaluable to the Radio Beginner, Student, Serviceman, Set-Builder and Experimenter.

508 ILLUSTRATIONS
972 PAGES

Includes valuable chapters on Sound, Vacuum Tubes, Superhets, Short Wave, Auto Radio, Television, Electromagnetism, Test Instruments, Battery, etc. A complete treatise on Radio theory and practice. Attractively printed and bound in durable cloth. Wt. 5 lbs.

A7077. POSTPAID IN U. S. A. **\$4.00**
YOUR PRICE



"RADIO PHYSICS COURSE" is a standard textbook in many leading technical schools. We invite inquiries from Schools and Colleges for quantity prices.

MIDGET CRYSTAL SET



A new, highly efficient crystal set, capable of unusual performance in spite of its small size. Has fully adjustable sensitive crystal. Similar type tuning coil. Slider attach aerial, ground and headphones. Requires no tubes. Batteries: antenna may be a single wire of any length. Complete with sensitive crystal detector; less headphones.

A5580. YOUR PRICE ONLY **58c.**

American Bell HEADPHONES



Unusually sensitive and efficient headphones, made by one of America's foremost manufacturers. Noted for clarity and clarity of tone. Aluminum shells and light aluminum caps. Highly retentive magnets. DX fans will be delighted with their 2000 ohm types are available.

A2807. **\$1.25**
3000 Ohm
Phons.
YOUR PRICE

A2806. **97c.**
2000 Ohm
Phons.
YOUR PRICE

BURGESS LANTERN



An unusually practical searchlight type lantern. Durable built; will stand up under hard usage. Provides a penetrating, well-distributed light; focusing adjustment allows variation of the light beam from a sharply focused spot to a broad beam. Carrying handles fold down when not in use. Small and compact; case finished in silver lacquer. Requires 4 No. 2 Uni-Cells; may be operated with only 2 cells if full brilliancy is not needed. Measures 5 1/2 x 2 1/4 x 4 1/4".

A1125. **\$1.00**
YOUR PRICE

POCKET FLASHLIGHT



Invaluable to the service man. Throws a concentrated spot of light into dark corners of cabinet and chassis. Yast-pocket size, fountain-pen style. Only 5 1/2" long, 3/4" dia. Shpg. wt., 5 oz.

A1160. Complete with battery and bulb. NET **28c.**
A1150. Extra 2 battery. NET, EACH. **7c.**
A1161. Extra bulb. NET, EACH. **7c.**

Bud Aerial Filter



A highly successful aerial filter; absorbs and eliminates signals of interfering stations. Adds real selectivity and sensitivity to your set. Adjustable control for utmost selectivity. May be installed in radio cabinet. Housed in handsome, durable case. A2602.

List, \$1.50. **74c.**
YOUR PRICE

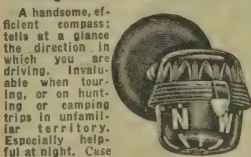
TOBE POWER LINE FILTER

for AC or DC Current



A capacity type filter for effectively eliminating line noises. May be used on the interfering device or on a radio set. Requires no ground connection. Plugs into standard receptacle. Has socket for receiver plug. Simple to install. For 110 volt lines, AC or DC. A5400. List, \$1.00. **59c.**
YOUR PRICE

U. S. AUTO COMPASS Compensator Is Built-In



A handsome, efficient compass; tells at a glance the direction in which you are driving, invaluable when touring, or on hunting or camping trips in unfamiliar territory. Especially helpful at night. Case is of attractive black bakelite, with chrome fittings. Built-in compensator assures accurate readings. With vacuum-cup and bracket for windshield or overhead mounting. A2948. **\$1.45**
NET

833 W. JACKSON BLVD. CHICAGO, ILL.

RUSH ORDER BLANK

All Phones HAYmarket 6800

A1

HOW SHALL WE SHIP

Express ☐

Freight ☐Parcel Post ☐

On Parcel Post Shipments Be Sure to Include Enough for Postage; Any Excess Will Be Promptly Refunded

Write Your Name in Full		
Street Address or Route Box Number		
	R. F. D.	Box No.
Post Office	State	
Please Give Shipping Point if Different from Post Office		
Shipping Point	State	County

**ENTER AMOUNT
OF REMITTANCE
HERE**

Paid in Full \$.....

Part Paid \$.....

C.O.D. \$.....

**If You Send Currency, Be Sure
to Register Your Letter**

DO NOT USE THIS SPACE

TERMS—Our terms are cash. We ship C. O. D.; new customers should accompany order with 20% deposit. All trade and cash discounts have already been deducted in our catalog quotations. All prices are net, f.o.b. Chicago or factory.

[illegible]

**TRANSPORTATION ALLOWANCE ON
ORDERS OF \$25.00 OR MORE**


Make your order \$25.00 or more and you may deduct 2% from the total as a transportation allowance. This applies to shipments made anywhere in the United States on all radio merchandise described in this catalog, except National Company merchandise. (Foreign orders excepted.) Whether you desire your shipment to go forward by Express or Parcel Post or Freight the same 2% allowance will be made. This offer makes our low prices even more attractive, assuring you bigger margins and greater profit on every order. For more information on our Transportation Allowance, it will pay you to make your order come to \$25.00 or more. Here is just another proof of more value for your radio dollar at ALLIED.

ON FREIGHT OR
EXPRESS ORDERS

If your station has an agent do not send money for shipping charges. If no agent, send money to pay the charges in advance. Charges are the same either way.

AMOUNT FOR GOODS

AMOUNT FOR PARCEL POST

 See Note } or Prepaid Freight
 } or Express Charges

TOTAL AMOUNT ENCLOSED

if currency be sure to send
by Registered Mail



RADIOTRON TUBES

THE PRECISION-BUILT TUBE

R.C.A.-Radiotron Tubes are always the standard for dependable performance and superb operating efficiency. They enjoy a tremendous consumer acceptance and are the most widely demanded tubes sold today. All R.C.A.-Radiotron tubes are sold in attractive factory-sealed cartons to assure your trade of brand-new perfect tubes in original packages, tested for quality, just as they left the factory. This method of packing builds good-will and sales. R.C.A.-Radiotron Tubes represent full value. They give longer life, heat quicker, and have better tone quality together with unusual uniformity and stability of operation. **WE CARRY THE COMPLETE LINE OF R.C.A. TUBES IN STOCK AT ALL TIMES.**

BIGGER PROFITS

Amazingly liberal discounts and new list prices which are now lower than at any other time in radio history, assure you of big sales volume and large scale profits. Make money by stocking the R.C.A.-Radiotron line; buy now at the drastically reduced prices quoted below.

EXTRA DISCOUNTS

Make bigger profits by buying R.C.A. Tubes in quantities. We offer an additional 10% discount from the prices below when you order 25 or more R.C.A.-RADIOTRON TUBES. It will pay you to make up larger orders for R.C.A. Tubes; help yourself to bigger profits!



Type No. List Net

1A4	A259	1.50	.88
1A6	A158	1.25	.73
1B4	A260	1.75	1.03
1B5	A174	1.25	.73
1C6	A159	1.50	.88
1F4	A135	1.50	.88
1F6	A136	1.50	.88
2A3	A160	1.25	.73
2A5	A161	.99	.58
2A6	A162	.99	.58
2A7	A163	1.25	.73
2B7	A166	1.25	.73

5Z3	A171	.89	.52
6A4	A164	1.25	.73
6A6	A199	1.25	.73
6A7	A165	1.25	.73
6B7	A167	1.25	.73
6C6	A168	.99	.58
6D6	A169	.89	.52
6E5	A258	1.50	.88
6F7	A170	1.50	.88
12Z3	A172	.99	.58
25Z5	A173	.99	.58

00A	A100	1.25	.73
1	A102	1.25	.73
1V	A103	.89	.52
01A	A101	.59	.34
10	A104	2.00	1.18
112A	A107	.69	.40

19	A108	.99	.58
20	A109	.99	.58

Type No. List Net

22	A110	1.25	.73
24A	A111	.89	.52
26	A112	.59	.34
27	A113	.69	.40
30	A114	.69	.40

31	A115	.69	.40
32	A116	1.25	.73
33	A117	.99	.58
34	A118	1.25	.73
35	A119	.89	.52
36	A120	.89	.52
37	A121	.69	.40
38	A122	.89	.52

39/44	A123	.89	.52
40	A124	.69	.40
41	A125	.89	.52
42	A126	.99	.58
43	A127	.99	.58
44/39	A128	.99	.52
45	A129	.69	.40

46	A130	.99	.58
47	A131	.89	.52
48	A132	2.50	1.47
49	A133	.99	.58
50	A134	2.50	1.47
53	A137	1.25	.73
55	A138	.99	.58
56	A139	.69	.40
57	A140	.89	.52

Type No. List Net

58	A141	.89	.52
59	A142	1.25	.73

71A	A143	.69	.40
75	A144	.99	.58
76	A145	.69	.40
77	A146	.99	.58
78	A147	.99	.58
79	A148	1.25	.73

80	A149	.59	.34
81	A150	2.00	1.18
82	A151	.89	.52
83	A152	.89	.52
83V	A194	1.50	.88
84	A153	1.25	.73
85	A154	.99	.58
89	A155	.99	.58

V99	A156	.99	.58
X99	A157	.99	.58
WD11	A105	1.25	.73
WX12	A106	1.25	.73
874	A207	4.90	2.88
876	A208	6.70	3.94
886	A209	6.75	3.97

CATHODE-RAY TUBE

6E5	A258.	
	\$1.50.....	88c

New tuning indicator tube. (Used in R.C.A. "Magic Eye" Radios, Knight "Electric Eye" sets, etc.)

A255. METAL TUBE CHARACTERISTICS BOOKLET. Contains valuable information, including pin arrangement, contents, covering new metal tubes. NET.....10c

NEW TYPE METAL TUBES



Designed by General Electric; developed and manufactured by R.C.A.-Radiotron. The new metal tubes feature unusual sturdiness, self-shielding, quiet operation, better short wave results, new octal base, self-aligning plug and key, etc. The new metal tubes are not directly interchangeable with conventional glass tube types.

Type	No.	List	Net
6A8	A175	1.25	.73
6C5	A176	1.00	.59
6F5	A177	1.00	.59
6F6	A178	1.00	.59
6H6	A179	1.00	.59
6J7	A180	1.25	.73
6K7	A181	1.25	.73
6L6	A182	2.00	1.18
6L7	A182	1.50	.88
6R7	A184	1.25	.73
6X5	A183	1.25	.73
5W4	A190	1.00	.59
5Z4	A183	1.25	.73
6N7	A191	1.50	.88
6Q7	A185	1.25	.73
25A6	A186	1.50	.88
25Z6	A187	1.25	.73

TUBE TEST STICKERS



A roll of 2,000 perforated gummed labels, 1 1/2" x 1 3/4". A valuable sales aid. Imprinted with your name, address and city; has space to mark date and tube condition. Print your name plainly on your order.

A201. NET.....\$1.00

FREE SALES AIDS

A202. DUMMY CARTONS. Exact replicas of R.C.A. tube cartons, for display purposes. 25 dummy cartons free with each order for R.C.A. tubes.
A203. DECALCOMANIA. 3 color window sign. Free with your order for R.C.A. tubes.
A204. PRICE CARDS. Shows prices of all R.C.A. tubes. Free with order for R.C.A. tubes.
A205. O.K. TAGS. For completed repair jobs. 10 tags free with order for R.C.A. tubes.

NEW OCTAL GLASS TUBES

Glass tubes with identically the same characteristics as new metal tubes. Interchangeable with metal tubes having same type numbers. (5Y3 is glass type 5Z4.) We carry all types in stock.

Type	No.	List	NET	Type	No.	List	NET
5V40	A282	\$1.75	\$1.03	6K7Q	A291	\$1.25	\$0.73
5X4Q	A283	1.25	.73	6L7Q	A292	1.50	.88
5Y3	A284	1.00	.59	6N7Q	A293	1.50	.88
6A8Q	A285	1.50	.88	6Q7Q	A294	1.25	.73
6C5Q	A286	1.00	.59	6R7Q	A295	1.25	.73
6F5Q	A287	1.00	.59	6X5Q	A296	1.25	.73
6F6Q	A288	1.25	.73	25A6Q	A297	1.25	.73
6H6Q	A289	1.00	.59	25Z6Q	A298	1.25	.73
6J7Q	A290	1.25	.73				



RAYTHEON

RAYTHEON shows you the way to bigger tube profits. Handle this money-making line which offers you amazingly BIG DISCOUNTS and a powerful sales appeal. Only RAYTHEON Tubes have the famous 4 PILLAR CONSTRUCTION feature which has gained them a universal reputation for quality. 4 PILLAR CONSTRUCTION is an exclusive selling feature of RAYTHEON Tubes.

WE CARRY THE COMPLETE LINE OF RAYTHEON TUBES IN STOCK AT ALL TIMES

LOW PRICES

THE ONLY 4 PILLAR RADIO TUBE

NEW OCTAL-GLASS RADIO TUBES

Identical in electrical characteristics and pin connections to the new all-metal tubes, but made in glass. Positively interchangeable with all metal tubes having corresponding type numbers (except that the 5Y3 is a counterpart of the 5Z4). We stock all types.

Type	No.	List	NET
6V7G	A500	\$1.85	\$0.93
1D5G	A501	.85	.93
1D7G	A502	.60	.80
1E5G	A503	.60	.80
1E7G	A504	.60	.80
1F5G	A505	2.50	1.25
1H4G	A506	.60	.80
1H6G	A507	.60	.80
1J6G	A508	1.35	.68
1S7G	A527	1.85	.93
5V4G	A509	1.85	.93
5X4G	A510	1.35	.68
5Y3G	A467	1.10	.55
5V4G	A511	1.10	.55
6A8G	A465	1.60	.80
6B4G	A512	.60	.80
6B6G	A513	1.50	.75
6C9G	A468	1.10	.55
6F5G	A473	1.10	.55
6F6G	A466	1.35	.68
6H6G	A470	1.10	.55
6J5G	A514	1.10	.55
6J7G	A471	1.35	.68
6K5G	A515	1.35	.68
6K6G	A516	1.35	.68
6K7G	A517	1.35	.68
6L6G	A518	2.20	1.10
6L7G	A474	1.60	.80
6N6G	A518	2.50	1.25
6N6MG	A519	2.50	1.25
6N7G	A520	1.60	.80
6P7G	A521	2.20	1.10
6Q7G	A522	1.35	.68
6R7G	A523	1.35	.68
6X5G	A524	1.35	.68
25A6G	A525	1.35	.68
25Z6G	A526	1.35	.68
25B6G	A528	1.60	.80

TUBE STICKERS



A roll of 100 stickers. Have spaces for noting "Date Sold," "Date Tested," condition of tube—and space for your name. Given Free with order for RAYTHEON tubes.

DEALER PRICE CARDS

Latest handy reference dealer price list card for all Raytheon tubes. Shows interchangeable tube types. Indicates popular replacement types. Given Free with order for Raytheon tubes. A408. FREE.

00A	No. A300.	List, \$1.35.	NET...	68c
01A	No. A301.	List, \$0.65.	NET...	32c
0Z3	No. A400.	List, \$1.35.	NET...	68c
1A4	No. A401.	List, \$1.60.	NET...	80c
1A6	No. A358.	List, \$1.35.	NET...	68c
1B4	No. A402.	List, \$1.60.	NET...	80c
1B5	No. A436.	List, \$1.35.	NET...	68c
1C6	No. A359.	List, \$1.60.	NET...	80c
1F4	No. A497.	List, \$2.20.	NET...	\$1.11
1F6	No. A498.	List, \$1.60.	NET...	80c
1V.	No. A303.	List, \$1.00.	NET...	50c
2A3	No. A360.	List, \$1.35.	NET...	68c
2A3H	No. A393. (Heater.)	List, \$1.35.	NET...	68c
2A5	No. A361.	List, \$1.10.	NET...	55c
2A6	No. A362.	List, \$1.10.	NET...	55c
2A7	No. A363.	List, \$1.35.	NET...	68c
2B7	No. A366.	List, \$1.35.	NET...	68c
2E5	No. A411.	List, \$1.60.	NET...	80c
5Z3	No. A371.	List, \$1.00.	NET...	50c
6A3	No. A403.	List, \$1.60.	NET...	80c
6A4	No. A364.	List, \$1.35.	NET...	68c
6A6	No. A399.	List, \$1.35.	NET...	68c
6A7	No. A365.	List, \$1.35.	NET...	68c
6B5	No. A438.	List, \$2.25.	NET...	\$1.13
6B7	No. A367.	List, \$1.35.	NET...	68c
6C6	No. A368.	List, \$1.10.	NET...	55c
6D6	No. A369.	List, \$1.00.	NET...	50c
6E5	No. A404.	List, \$1.60.	NET...	80c
6E6	No. A437.	List, \$1.70.	NET...	85c
6F7	No. A370.	List, \$1.60.	NET...	80c
6G5	No. A412.	List, \$1.60.	NET...	80c
6Z4	No. A353.	List, \$1.35.	NET...	68c
12A5	No. A374.	List, \$2.10.	NET...	\$1.05
12A7	No. A398.	List, \$2.20.	NET...	\$1.10
12Z3	No. A372.	List, \$2.10.	NET...	55c
25Z5	No. A373.	List, \$1.10.	NET...	55c
10	No. A304.	List, \$2.10.	NET...	\$1.05
12A	No. A307.	List, \$0.75.	NET...	37c
15	No. A302.	List, \$2.00.	NET...	\$1.00
19	No. A308.	List, \$1.10.	NET...	55c
20	No. A309.	List, \$1.10.	NET...	55c
22	No. A310.	List, \$1.35.	NET...	68c
24A	No. A311.	List, \$1.00.	NET...	50c
25S	No. A436.	List, \$1.35.	NET...	68c
26	No. A312.	List, \$0.65.	NET...	32c
27	No. A313.	List, \$0.75.	NET...	37c
30	No. A314.	List, \$0.75.	NET...	37c
31	No. A315.	List, \$0.75.	NET...	37c
32	No. A316.	List, \$1.35.	NET...	68c
33	No. A317.	List, \$1.10.	NET...	55c
34	No. A318.	List, \$1.35.	NET...	68c
35	No. A319.	List, \$1.00.	NET...	50c
36	No. A320.	List, \$1.00.	NET...	50c
37	No. A321.	List, \$0.75.	NET...	37c
38	No. A322.	List, \$1.00.	NET...	50c
39	No. A323.	List, \$1.00.	NET...	50c
40	No. A324.	List, \$0.75.	NET...	37c

4 PILLAR TUBES

Backed by extensive advertising, RAYTHEON Tubes enjoy a tremendous consumer demand. In addition, they come packed in attractive factory-sealed cartons to protect your customers and to assure you of fresh new stock. There is a RAYTHEON tube for every set requirement. Stock this popular sales- and profit-building tube line. WE CARRY THE COMPLETE LINE OF RAYTHEON TUBES IN STOCK AT ALL TIMES.

SPECIAL DISCOUNTS

Buy RAYTHEON Tubes in quantities for big added profits. In lots of 25 or more, there is an additional discount of 10%. It will pay you to make up quantity orders for popular RAYTHEON tube types. They will sell quickly at attractive added profits. RAYTHEON tubes are widely demanded; you are always sure of quick turnover; make your orders 25 or more and earn the extra discount.

LIBERAL DISCOUNTS

41	No. A325. List, \$1.00. NET.....	50c
42	No. A326. List, \$1.10. NET.....	55c
43	No. A327. List, \$1.10. NET.....	55c
45	No. A329. List, \$0.75. NET.....	37c
46	No. A330. List, \$1.10. NET.....	55c
47	No. A331. List, \$1.00. NET.....	50c
48	No. A332. List, \$2.60. NET.....	\$1.30
49	No. A333. List, \$1.10. NET.....	55c
50	No. A334. List, \$2.60. NET.....	\$1.30
51	No. A335. List, \$1.00. NET.....	50c
52	No. A336. List, \$1.70. NET.....	85c
53	No. A337. List, \$1.35. NET.....	68c
55	No. A338. List, \$1.10. NET.....	55c
56	No. A339. List, \$0.75. NET.....	37c
57	No. A340. List, \$1.00. NET.....	50c
58	No. A341. List, \$1.00. NET.....	50c
59	No. A342. List, \$1.35. NET.....	68c
71A	No. A343. List, \$0.75. NET.....	37c
75	No. A344. List, \$1.10. NET.....	55c
76	No. A345. List, \$0.75. NET.....	37c
77	No. A346. List, \$1.10. NET.....	55c

78	No. A347. List, \$1.10. NET.....	55c
79	No. A348. List, \$1.35. NET.....	68c
80	No. A349. List, \$0.65. NET.....	32c
81	No. A350. List, \$2.10. NET....	\$1.05
82	No. A351. List, \$1.00. NET.....	50c
83	No. A352. List, \$1.00. NET.....	50c
83V*	No. A394. List, \$1.60. NET.....	80c
84	No. A353. List, \$1.35. NET.....	68c
85	No. A354. List, \$1.10. NET.....	55c
89	No. A355. List, \$1.10. NET.....	55c
V99	No. A356. List, \$1.10. NET....	55c
X99	No. A357. List, \$1.10. NET....	55c
950	No. A405. List, \$2.20. NET....	\$1.10
951	No. A402. List, \$1.60. NET.....	80c
WD11	No. A305. List, \$1.35. NET.....	68c
WX12	No. A308. List, \$1.35. NET.....	68c
BA	No. A396. List, \$7.50. NET....	\$3.77
BH	No. A395. List, \$4.65. NET....	\$2.34
BR	No. A397. List, \$2.75. NET....	\$1.38
LA	No. A364. List, \$1.35. NET.....	68c

* Heater Type.



METAL TUBES

RAYTHEON offers a complete line of the new all-metal tubes. Made entirely of metal; self-shielded and sturdy. With octal base and special stud which makes insertion of tube into socket very easy. Not directly interchangeable with conventional glass tube types. We stock all types.

Type	No.	List	Net
OZ4	A490	\$1.35	\$0.68
5Z4	A448	1.35	.68
5W4	A449	1.10	.55
6A8	A440	1.35	.68
6C5	A441	1.10	.55
6F5	A442	1.10	.55
6F6	A443	1.10	.55
6H6	A444	1.10	.55
6J7	A445	1.35	.68
6K7	A446	1.35	.68
6L6	A439	2.20	1.11
6L7	A447	1.60	.80
6N7	A429	1.60	.80
6Q7	A491	1.35	.68
6R7	A492	1.35	.68
6X5	A493	1.35	.68
25A6	A494	1.60	.80
25Z6	A495	1.35	.68

TECHNICAL DATA CHART



Latest edition; gives complete technical data for all Raytheon receiving tubes; new base design diagrams, and complete tube characteristics. Conveniently arranged for quick reference. Given Free with order for Raytheon tubes.

A407. FREE

WINDOW DISPLAY

The effective window display pictured here is only one of the many offered by Raytheon to dealers. Given Free by ALLIED with order for Raytheon tubes. Write for full display listing.

A409. Raytheon Window Display as illustrated. FREE with tube order.



Special Majestic Type Shielded Tubes

Type	Stock No.	List	NET	Type	Stock No.	List	NET
24S	A375	\$1.40	\$0.71	6B7S	A387	\$2.20	\$1.11
27S	A376	1.90	.95	6F7S	A388	2.00	1.01
35S (31S)	A377	1.50	.75	6C7	A389	2.00	1.01
55S	A378	1.80	.90	6D7	A390	1.85	.93
56S	A379	1.40	.71	6E7	A391	1.85	.93
57S	A380	1.85	.93	6V5	A392	2.00	1.01
57A5	A381	1.85	.93	25A5	A430	2.75	1.38
58S	A382	1.85	.93	222-G84	A431	1.95	.98
58AS	A383	1.85	.93	6Z5/12Z5	A432	2.00	1.01
85AS	A384	1.80	.90	75-S	A435	1.80	.90
2A7S	A385	2.40	1.21				
6A7S	A386	2.40	1.21				

Ken-Rad RADIO TUBES

Type	No.	List	NET
IA4	A798	\$1.75	\$0.93
IA6	A758	1.25	.66
IB4	A797	2.00	1.06
IB5/2SS	A774	1.25	.66
IC6	A759	1.50	.79
IF4	A807	2.20	1.17
IF6	A808	1.50	.79
2A3	A760	1.25	.66
2A5	A761	.99	.52
2A6	A762	.99	.52

2A7	A763	1.25	.66
2B7	A766	1.25	.66
5Z3	A771	.89	.47
6A3	A789	1.50	.79
6A4	A764	1.25	.66
6A6	A799	1.25	.66
6A7	A765	1.25	.66
6B5	A790	2.25	1.19
6B7	A767	1.25	.66
6C6	A768	.99	.52

6D8	A769	.89	.47
6E5	A791	1.50	.79
6E6	A792	1.60	.84
6F7	A770	1.50	.79
6G5	A809	1.50	.79
12A5	A798	2.10	1.11
12A7	A793	2.20	1.17
12Z3	A772	.99	.52
25Z5	A773	.99	.52
01A	A701	.59	.31

IV	A703	.89	.47
10	A704	2.00	1.06
12A	A707	.69	.37
15	A706	2.00	1.06
19	A709	.99	.52
20	A708	.99	.52
22	A710	1.25	.66
24A	A711	.89	.47
26	A712	.59	.31
27	A713	.69	.37

In the radio tube field, the name KEN-RAD is synonymous with dependable long life, unusual sturdiness, brilliant tone quality and full value. These uniformly dependable tubes are offered in a complete selection of glass types, metal types and metal-glass types—to meet every radio tube need. Each KEN-RAD tube is supplied in an attractive factory-sealed carton to assure your customer of brand new merchandise in the same perfect condition as when it left the factory. We carry the complete line of KEN-RAD Tubes in stock at all times—metal and octal types included.

EXTRA DISCOUNTS

It will pay you to buy KEN-RAD tubes in quantities for added profits. In lots of 25 or more, we offer an additional discount of 5%. Combine your orders to make up this quantity and earn bigger profits.

Type	No.	List	NET
30	A714	\$0.69	\$0.37
31	A715	.59	.37
32	A716	1.25	.66
33	A717	.99	.52
34	A718	1.25	.66
35/51	A719	.89	.47
36	A720	.89	.47
37	A721	.69	.37
38	A722	.89	.47
39/44	A723	.89	.47

41	A725	.89	.47
42	A726	.99	.52
43	A727	.99	.52
45	A729	.69	.37
46	A730	.99	.52
47	A731	.89	.47
48	A732	2.50	1.32
50	A734	2.50	1.32
53	A737	1.25	.66
55	A738	.99	.52

56	A739	.89	.47
57	A740	.89	.47
58	A741	.89	.47
59	A742	1.25	.66
71A	A743	.69	.37
75	A744	.99	.52
76	A745	.69	.37

Type	No.	List	NET
77	A746	\$0.99	\$0.52
78	A747	.52	.52
79	A748	1.25	.66
80	A749	.59	.31
81	A750	2.00	1.06
82	A751	.89	.47
83	A752	.89	.47

OCTAL GLASS TYPES

Type	No.	List	NET
5Y3	A810	\$1.00	\$0.53
6A8G	A811	1.50	.79
6A8G	A832	1.25	.66
6C5G	A812	1.00	.53
6F5G	A813	1.00	.53
6F6G	A814	1.25	.66
6H6G	A815	1.00	.53
6I7G	A816	1.25	.66
6K7G	A817	1.25	.66
6L7G	A818	1.50	.79

6M6G	A825	2.35	1.24
6M6MG	A833	2.50	1.32
6N7G	A826	1.50	.79
6P7G	A827	1.25	.66
6T6G	A828	1.25	.66
6X5G	A829	1.25	.66
25A6G	A830	1.25	.66
25Z6G	A831	1.25	.66

Type	No.	List	NET
83V	A794	\$1.50	\$0.79
84	A753	1.25	.66
85	A754	.99	.52
89	A755	.99	.52
V199	A756	.99	.52
X199	A757	.99	.52
950	A806	2.20	1.17

METAL TYPES

Type	No.	List	NET
5W4	A935	\$1.00	\$0.53
5Z4	A733	1.25	.66
6A8	A775	1.25	.66
6B8	A838	1.25	.66
6C5	A776	1.00	.53
6F5	A777	1.00	.53
6F6	A778	1.00	.53
6H6	A779	1.00	.53
6I7	A780	1.25	.66
6K7	A781	1.25	.66

6L8	A836	2.00	1.06
6L7	A782	1.50	.79
6N7	A839	1.50	.79
6Q7	A784	1.25	.66
6R7	A837	1.25	.66
6X5	A785	1.25	.66
25A6	A786	1.50	.79
25Z6	A787	1.25	.66



METAL TUBES

Type	No.	List	NET
5W4	A974	\$1.00	\$0.49
5Z4	A983	1.25	.61
6A8	A975	1.25	.61
6C5	A976	1.00	.49
6F5	A977	1.00	.49
6F6	A978	1.00	.49
6H6	A979	1.00	.49
6I7	A980	1.25	.61
6K7	A981	1.25	.61
6L6	A984	2.00	.98
6L7	A982	1.50	.73
6N7	A985	1.50	.73
6R7	A986	1.25	.61
6X5	A987	1.25	.61
25A6	A989	1.59	.73
25Z6	A999	1.25	.61

The popular KNIGHT line of radio tubes has been greatly enlarged to offer the most complete selection of glass types as well as the latest new metal tubes. You can undersell all competition with this popular line of superior quality tubes. They are precision-built for steady, dependable performance. All KNIGHT Tubes are packed in factory-sealed cartons assuring perfect merchandise. Attractive, safety-first packaging, dependable quality and low price will give you big volume-building sales. KNIGHT Tubes are priced to bring you 10% to 15% BIGGER PROFITS! Put in a stock of popular types and build real profits. We carry the complete line of Knight Tubes in stock at all times.

Type	No.	List	NET
IA4	A959	\$1.50	\$0.73
IA6	A958	1.25	.61
IF4	A936	1.50	.73
IF6	A960	1.25	.61
2A3	A961	.99	.49
2A5	A962	.99	.49
2A6	A963	1.25	.61
2B7	A966	1.25	.61
5Z3	A971	.89	.43

6A4	A964	1.25	.61
6A7	A965	1.25	.61
6B7	A967	1.25	.61
6C6	A968	.99	.49
6D8	A969	.89	.43
6E5	A988	1.50	.73
6E6	A939	1.50	.73
6F7	A970	1.50	.73
6Z4	A953	1.30	.64
12A5	A988	2.10	1.03

12Z3	A972	.99	.49
25Z5	A973	.99	.49
00A	A900	1.25	.61
01A	A901	.99	.49
IV	A904	2.00	.98
10	A907	.69	.33
12A	A906	2.00	.98
15	A908	.99	.49
19	A909	.99	.49
20	A909	.99	.49

Type	No.	List	NET
22	A910	\$1.25	\$0.61
24A	A911	.89	.43
26	A912	.89	.43
27	A913	.69	.33
30	A914	.69	.33
31	A915	.69	.33
32	A916	1.25	.61
33	A917	.99	.49
34	A918	1.25	.61
35/51	A919	.89	.43

36	A920	.89	.43
37	A921	.89	.43
38	A922	.89	.43
39/44	A923	.89	.43
40	A924	.69	.33
41	A925	.89	.43
42	A926	.99	.49
43	A927	.99	.49
44	A929	.69	.33
46	A930	.99	.49

47	A931	.89	.43
48	A932	2.50	1.22
49	A933	.99	.49
50	A934	2.50	1.22
51	A937	1.25	.61
55	A938	.99	.49
56	A939	.69	.33
57	A940	.89	.43
58	A941	.89	.43
59	A942	1.25	.61

Type	No.	List	NET
71A	A943	\$0.69	\$0.33
75	A944	.99	.49
76	A945	.99	.49
77	A946	.99	.49
78	A947	.99	.49
79	A948	1.25	.61
80	A949	.59	.28
81	A950	2.00	.98

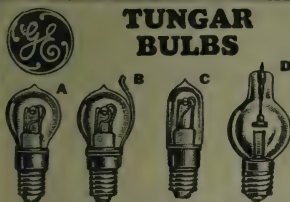
82	A951	.89	.43
83	A952	.89	.43
84	A953	1.25	.61
85	A954	.99	.49
89	A955	.99	.49
X99	A956	.99	.49
V99	A957	.99	.49

TRIAD POWER TUBES

2B6 No. A800, List, \$2.50, **\$1.19**
YOUR PRICE.....

6B5 No. A803, List, \$2.25, **\$1.05**
YOUR PRICE.....

RECTIFIERS • SPECIAL TUBES • BULBS



The well-known, highly efficient G.E. Tungar Bulbs. Used in many standard chargers. Will replace Rectifibulbs of the same rating. Shpg. wt., 2 lbs.

A6440. 2 Amp. Fig. A
A6441. 2 Amp. Fig. B
(Top Connection)
A6442. 6 Amp. Fig. C
List, Each, \$4.00.

A6443. 5 Amp. Fig. D
A6444. 6 Amp. Fig. D
List, Each, \$7.00.

A6445. 15 Amp. Fig. D
List, Each, \$13.00.

GENUINE RAYTHEON BH RECTIFIER

The original Raytheon BH full-wave rectifier used in many "B" eliminators and sets. Will deliver full rated output and give dependable long life. Rated at 350 volts RMS per anode; 125 M.A. maximum. Use this genuine Raytheon BH tube for assurance of dependable performance. Shpg. wt., 1 lb.
A395.
List Price, \$4.65.
NET **\$2.34**

DRY RECTIFIERS

ELKON 16C3B
Replaces old M16 and XB16 rectifiers. For these "A" units: Majestic, Elkton, Tube, Branch, Philco, Sentinel, Knappa, Greene-Brown, F. A. Webster, Metro, etc.
A6300.
List, \$7.00.
NET **\$4.12**

BL DRY DISC-TYPE B-12

Standard replacement rectifiers for the following "A" units and chargers: Knight 2-rate; King; Sterling R-92; Universal; France; Gen'l. Inst.; Acme; Galvin; Valley MB; TCA 646; Arco, etc. Wt., 2 lbs.
A2350. List, \$4.00.
NET **\$2.35**

TYPE B-16
For use in Valley "A"; Webster, Tobe, Norden-Hauk, etc. Wt., 2 lbs.
A2351. NET **\$2.94**

DURESITE VOLTAGE REGULATOR TUBES

Ballast type voltage control tube. Efficient and accurate. Original equipment on many standard sets.

A1064. TYPE 110. For use with:
Brunswick S14, S21, S31 (60 cycle), 14, 21, 31 (25 cycle)
Bremer-Tully 81, 82 (25 cycle), 83, 84 (60 cycle)
Grebe 21950, 270C, 285, 450
Hammarlund HQ 30
National

A1065. TYPE 105. For use with:
Brunswick 14, 21, 31 (60 cycle)
Bremer-Tully 81, 82 (60 cycle)
List, \$3.00.
NET EACH **\$1.65**

We can supply any Duresite made. Write for prices.

KENRAD 6 & 12 VOLT LIGHT BULBS

G.E. licensed light bulbs of superior construction. Designed for 5 Volt storage battery operation. Ideal for farm lighting, camps, lodges, house-trailers, auto trouble lamps, etc. Wind-charger or Knight Ruripower units (pages 140-142) may be used to keep battery charged. Makes possible efficient and economical lighting systems. These fine bulbs give excellent light and have long life.

No.	Watts	Drain	EACH
A795	15	2.2 Amp.	30c
A796	25	4.2 Amp.	30c
A820	50	8.5 Amp.	40c
A821	12	1.3 Amp.	30c
A822	25	2.1 Amp.	30c
A823	50	4.2 Amp.	40c

WRITE FOR QUANTITY PRICES IN STANDARD CARTON AND CASE LOTS.

GENUINE SPARTON RADIO TUBES

For use in the older model Sparton sets using 3 volt tubes, for which no other types may be substituted. These type tubes are in popular demand. Carry a stock of the types listed below. There's rapid turnover and good profits in them.

TYPE 485
A1055. 485. Amp.-Det. Replaces type 484. List, \$1.45. NET **99c**

TYPE 493
A1056. 493. Power-Amp. Replaces type 183. List, \$1.65. NET **\$1.13**

TYPE 482-B
A1057. 482-B. Power-Amp. Replaces type 182-B. List, \$1.65. NET **\$1.13**

GENUINE KELLOGG TYPE 401 A.C. TUBES

The original Kellogg A.C. detector-amplifier tubes, noted for superior construction and long life. Heater Volts, 3. Heater Amps, 1. Maximum plate volts, 150. For use as amplifier or detector.
A1060.
List, \$4.00.
YOUR PRICE **\$2.33**

TYPE 403 A.C. TUBES
For use in the last audio stage. Heater Volts, 3. Heater Amps, 1.5. Plate Volts (Max.), 180. Grid Volts (negative), 40.
A1061. List, \$5.00.
YOUR PRICE **\$2.94**

KNIGHT RESISTANCE TUBES FOR AC-DC SETS

New glass tubes for use as filament-dropping resistors in AC-DC mid-set sets. The 185 ohm series is for use with two 25 Volt and two 6.3 Volt tubes; the 162 ohm tubes are for two 25 Volt and three 6.3 Volt tubes; the 141 ohm series is for two 25 Volt and four 6.3 Volt tubes. Have standard 4 pin bases. Some are tapped for 1 or 2 pilot lights. Designed for sets drawing 0.3 ampere filament current. (Also available in Metal or Metal-Glass. Write for prices.)

No.	Ohms	Voltage Drop	Pilot Lights*	NET Each
A990	185	54.9	0	
A991	162	48.6	1	
A992	141	42.3	2	
A993	185	54.9	1	
A994	162	48.6	2	
A995	141	42.3	1	
A996	185	54.9	2	
A997	162	48.6	1	
A998	141	42.3	2	

*Pilot lights must be No. 49 brown bead type, 6.3 volts.

NEON GLOW LAMPS

Genuine GE neon gas lamps. Useful in many types of test equipment. Serve as short or leakage indicators, stroboscope illuminators, etc.; will fill many other purposes. Both electrodes glow on AC; only negative glows on DC. These lamps are also ideal for use in the home for night lights, pilot lights for electrical circuits, etc. Very low current drain. For 105-120 volt operation.

STANDARD EDISON BASE

A6450. 2 WATT. 1/4 C.P. .020 Amp. Four shape. 1 1/4 in. dia. Split-disc electrode. **YOUR PRICE 45c**

A6451. 1 WATT. 1 C.P. .010 Amp. Round 1 1/4 in. dia. Spiral electrode. **YOUR PRICE 36c**

A6452. 0.5 WATT. .05 C.P. .005 Amp. Round 1 1/4 in. dia. For AC only. Split cylinder electrode. **YOUR PRICE 36c**

CANDELABRA BASE

A6454. .25 WATT. Pear shape, clear bulb, for tube testers. 3/16" dia. Split-disc electrode. **YOUR PRICE 36c**

A6455. 1 WATT. Round bulb. 1 1/4 in. dia. .05 C.P. For AC only. Split cylinder electrode. **YOUR PRICE 41c**

PORCELAIN SOCKETS

For neon lamps. Highest quality porcelain construction. Screw terminals for easy connection. Available for Edison and Candelabra bases.

A6459. Edison Base. Clear mounting type. NET EACH **10c**

A6460. Edison Base. Sub-panel mounting. NET EACH **16c**

A6461. Candelabra Base. Sub-panel mounting. NET EACH **28c**

A1878. Candelabra Base. Sub-panel mounting with plug base to fit standard receptacle. NET EACH **12c**

A1878. Edison to candelabra base reducer. Adapts candelabra base bulbs to standard sockets. NET EACH **10c**

GENUINE EVEREADY MAZDA BULBS

Genuine Eveready Mazda bulbs for radio and flash-light use. Famous for quality and dependable long-life. All popular types listed below at attractive quantity prices.

RADIO PILOT LIGHT BULBS

Stock No.	Lamp No.	Volts	Amps.	PRICE EACH	PER 10
A1250	41	2.5	.50	\$0.09	\$0.54
A1251	42	3.2	.35	.12	.72
A1253	40	0.3	.15	.09	.54
A1254	Spec.	2.0	.06	.20	1.20
A1255	44	0.3	.25	.09	.54
A1256	46	6.3	.25	.09	.54

*Indicates miniature bayonet base.

FOR FLASHLIGHTS

Stock No.	Lamp No.	Cell Volts	Amp.	Price Each	Box of 10
A1220	223	2	0.25	\$0.09	\$0.40
A1221	233	2	0.25	.09	.54
A1222	19	3	0.30	.09	.54
A1223	14	2	0.30	.09	.54
A1224	31	5	0.2	.10	.60
A1225	136	1	1.25	.06	.18
A1226	248	2	0.50	.11	.60

MALLORY BIAS CELL

Designed to furnish initial bias for RF, IF and AVC tubes. Size, only 1/2" x 3/4". Noiseless; non-reactive at audio frequencies. Provides a no-current potential of Volt ± 10%. Cells may be used in series for higher bias voltage. These cells greatly eliminate distortion caused by conventional bias arrangements.

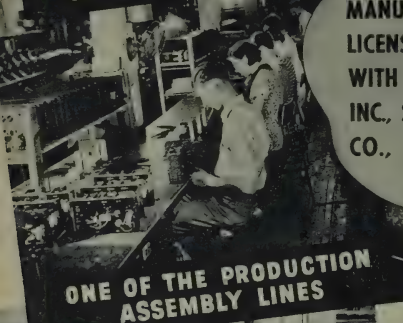
A3379. **YOUR PRICE 18c**

BIAS CELL HOLDERS
A3387. For one cell. NET **6c**
A3388. For two cells. NET **12c**
A3389. For three cells. NET **15c**
A3390. For four cells. NET **21c**

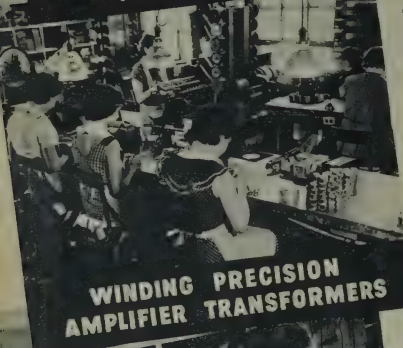
These PICTURES SHOW SOME
OF THE STEPS IN BUILDING
KNIGHT QUALITY AMPLIFIERS



A CORNER OF THE
RESEARCH LABORATORY



ONE OF THE PRODUCTION
ASSEMBLY LINES



WINDING PRECISION
AMPLIFIER TRANSFORMERS



TESTING BEFORE SHIPMENT

WHEN YOU BUY SOUND

It's VALUE *plus* QUALITY
that Counts ...

ALLIED *Gives you* BOTH!

MANUFACTURED UNDER
LICENSE ARRANGEMENTS
WITH ELECTRICAL RESEARCH PRODUCTS,
INC., SUBSIDIARY OF WESTERN ELECTRIC
CO., INC., RADIO CORPORATION OF
AMERICA

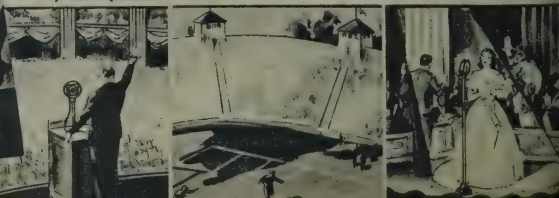
Again we lead with
a complete new line
of advanced Knight
Sound Equipment de-
signed to give you high-
est quality and fullest

value for your money. This new line is skillfully engineered, and expertly built to exacting standards. There is a Knight Sound System to cover every sound need. Large volume production keyed to increased demand for Knight equipment has made possible our new low prices. As always, we protect you by applying honest, conservative ratings to our Sound Systems; by assembling and testing each system under actual operating conditions before shipment; by offering you valuable, helpful consulting service whenever you require it. These are the reasons why ALLIED is Sound Headquarters—why it will pay you to do your Sound buying at ALLIED.

● **CONSULTING SERVICE:** Our Sound Engineers have handled installations, both large and small, for every conceivable purpose—for churches, schools, hotels, theaters, hospitals, prisons, sound trucks, etc. The Knight Systems listed will cover most requirements. If, however, you are unable to decide upon the exact type of equipment you will need, our Engineers will be glad to advise you. We ask only that you cooperate as follows: (1) Tell us the purpose for which you require the equipment; (2) State whether you desire permanent or portable equipment; (3) Advise what current you have available; (4) If possible, supply us with a rough sketch indicating all important dimensions of area to be covered; (5) Indicate any special preferences you may have in regard to microphones, speakers, etc. State your requirements as clearly and completely as possible, so that we can help you select the proper equipment promptly. Your requests for quotations or information will not incur any obligation on your part.

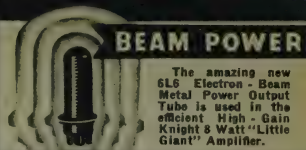
● **CAREFUL PRE-TESTING:** Each Knight Sound System is completely assembled and tested in our laboratories before shipment. Careful packing assures safe arrival of all equipment. All Knight Sound Equipment is designed for quick, easy installation made possible by the use of clearly marked polarized plugs and receptacles. All equipment, standard or special, is accompanied by full, easy-to-understand instructions.

● **YOUR DOLLAR BUYS MORE:** Every Knight Sound System represents maximum value and quality for your dollar. It has back of it an outstanding reputation for fine dependability and powerful performance. It will pay you to do your Sound buying at ALLIED—where value and quality are supreme.





Manufactured Under
License Arrangements
with Electrical Research
Products, Inc., Subsidiary
of Western Electric Co.,
Inc., Radio Corpora-
tion of America.



BEAM POWER

The amazing new
6L6 Electron Beam
Metal Power Output
Tube is used in the
efficient High-Gain
Knight 8 Watt "Little
Giant" Amplifier.

Knight 8 WATT High Gain "Little Giant" SOUND SYSTEM

A new high quality low-cost full 8 Watt Sound System which utilizes all of the advantages of the latest metal tubes for superb reproduction and for full rated output. Ideal for smaller installations where limited sound coverage is desired. Excellent for small orchestras, for churches, club-rooms, store demonstrations, call systems, etc. The high-gain amplifier permits the direct use of the newest type of crystal microphone for unusually fine fidelity. A high grade $8\frac{1}{2}$ inch electro-dynamic speaker handles the full 8 watts output without blasting. The complete Knight 8 Watt High-Gain Sound System includes: 1 Knight "Little Giant" 8 Watt High-Gain Amplifier; 1-Astatic Dual-diaphragm Crystal Microphone with 25 foot cord and polarized plug; 1-de luxe adjustable banquet stand; 1-Knight $8\frac{1}{2}$ inch dynamic speaker with 25 foot cord and polarized plug; kit of Raytheon metal tubes and complete operating instructions. A complete operating test is made of each system before shipment.

WITH NEW CRYSTAL MIKE

The Knight 8 Watt High-Gain Sound System uses the new Astatic Dual-diaphragm non-directional Crystal Microphone. The built-in preamplifier stage makes its direct use possible without additional external amplification. The Astatic Crystal Microphone features exceptionally fine frequency response; will pick up sound from any angle; reduces "feed-back" to a minimum. All voice and musical frequencies are faithfully handled. The compact, watch-case size of the microphone makes it convenient to handle. The Knight 8 Watt High-Gain Sound System has been skillfully engineered to utilize to the fullest the decided advantages of crystal microphone performance.

LATEST METAL TUBES

The Knight 8 Watt high-gain amplifier used in the system employs a powerful three stage circuit utilizing the newest metal tubes to the fullest advantage as follows: 1-6J7 as crystal mike pre-amplifier; 1-6N7 as electronic mixer and driver; 1-6L6 Electron Beam Power tube as power output; 1-5Z4 as rectifier. This modern tube line-up assures absolute rated output and minimum distortion. The Knight 8 Watt High-Gain Sound System comes to you complete with all cables and plugs attached. It can be set up instantly and is unusually simple to operate. For performance, for reliability and for value, the Knight 8 Watt High-Gain System is without competition.

NEW HIGH-GAIN CIRCUIT

The new high-gain circuit used in the Knight 8 Watt "Little Giant" Amplifier employs the latest metal tubes. Input is arranged for a high-impedance phonograph as well as for the crystal microphone supplied. Separate volume controls are provided for microphone and phonograph permitting blending and mixing action. Tone Control is also included to accentuate bass or treble as desired. The amplifier develops an essentially flat frequency response from 45 to 10,000 cycles. Gain is 90 db. for crystal microphone and 50 db. for phonograph. Field current for the dynamic speaker is supplied by the amplifier; an extra speaker jack permits the use of an additional speaker if desired. The versatile design of the Knight 8 Watt System makes it suitable for many sound applications.

SYSTEM COMPLETE

The Knight 8 Watt High-Gain Sound System includes the Little Giant Amplifier described below, a high grade full $8\frac{1}{2}$ inch dynamic speaker with 25 foot 4 conductor cord and plug attached, an Astatic Dual-diaphragm Crystal microphone with 25 foot cable and plug, attractive microphone banquet stand, a kit of Raytheon metal tubes, and complete operating instructions. For operation on 110 Volts, 60 cycles, A.C.

A9909.

List Price, \$72.50.

YOUR PRICE.....

(For Portable Case, see P. 38)

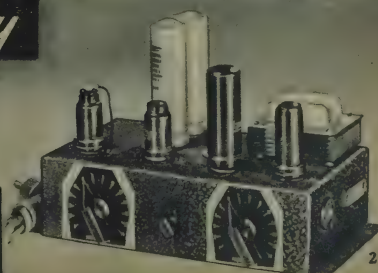
\$38⁹⁵

8 WATT AMPLIFIER *Only*

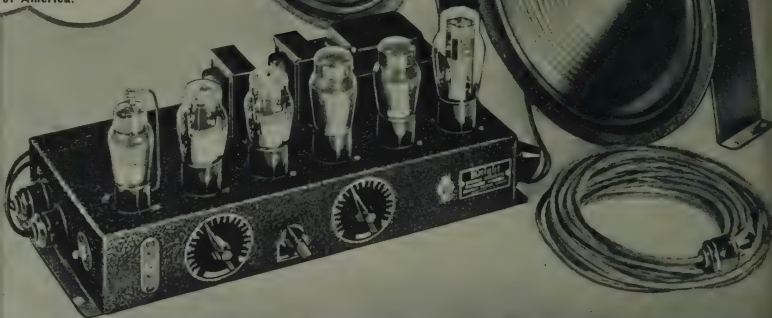
The Knight 8 Watt High-Gain Amplifier is available separately either as an ideal replacement for old type amplifiers or for use as the heart of practically any low-powered sound system. Compactly designed; measures $6\frac{1}{2} \times 12$ inches. Weighs $8\frac{1}{2}$ lbs. Has built-in mike and phono mixer. Develops full eight watts using 1-6J7, 1-6N7 and 1-6L6 tubes with 5Z4 rectifier. Has an excellent gain of 90 db. with essentially flat frequency response from 50 to 10,000 cycles. Supplies field current for one 1000 ohm dynamic speaker; output is from plate of 6L6. Input is for crystal microphone and high impedance magnetic pickup. For 110 volts, 60 cycles, A.C.

A9908. 8 Watt High-Gain Amplifier only. **\$14⁹⁵**
List, \$30.00. YOUR PRICE.....
A9961. Kit of Raytheon Tubes.....\$3.26
A9907. Amplifier Screen Cover. NET......85

\$14⁹⁵



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Arrangements with Electrical
Research Products, Inc., Subsidiary of
Western Electric Co.,
Inc., Radio Corporation
of America.



Knight 18 WATT

18 WATT SOUND SYSTEM WITH CRYSTAL MICROPHONE

An exceptional value in a new low-cost complete Knight 18 Watt Sound System using the latest dual-diaphragm type crystal microphone. A quality system with innumerable applications. Will materially increase the business and profits of orchestras, dance halls, night clubs, restaurants, ball parks, race tracks, small side-shows, etc. Will also serve effectively for speech and music reinforcement and for public address use in churches, schools, halls, at political rallies, for ballyhoo and advertising purposes, etc. The new Knight 18 Watt High Gain system includes: 1—Knight 18 Watt Amplifier; 2—12 inch Knight Dynamic Speakers with 30 foot cords and plugs; 1—Astatic Dual Diaphragm Crystal Microphone; 25 ft. of special crystal microphone cable with polarized plug; 1—De Luxe chromium-plated stem microphone floor stand and a complete matched set of Raytheon tubes. The entire system has been designed for simple installation and operation. It can be assembled and operated properly by anyone, without complication.

18 WATTS OUTPUT

The High-Gain Amplifier incorporated in the Knight 18 Watt Sound System develops a full 18 watts output, with admirable fidelity, free from distortion. Four high-gain stages are employed, using the latest type tubes as follows: 1—6C6 as crystal mike preamplifier; 1—6A6 as electronic mixer and voltage amplifier; 1—6A6 as phase inverter and driver; 2—6B5 as push-pull power amplifiers; with 5Z3 as rectifier. The two 6B5 tubes used as push-pull power amplifiers assure greater gain with less distortion than any other equivalent tubes. High grade components, advanced design and skillful building assure highest quality and full value. This new Knight 18 Watt Sound System should not be confused with systems claiming the same performance but which are actually of inferior and shoddy character.

GIANT 12" SPEAKERS

The Knight 18 Watt High-Gain Sound System uses 2 giant Knight full 12 inch Auditorium Dynamic Speakers which adequately handle the output of the amplifier, giving wide-range faithful reproduction. These popular speakers feature heavy pressed-steel construction and rugged design for heavy-duty use. Equipped with carrying handles. The amplifier supplies all field current for the operation of these speakers. Each speaker is equipped with 30 foot cable and plug attach (For suitable speaker baffles, see our complete listing on Page 36.)

ELECTRONIC MIXER

Individual volume controls are provided for both microphone and phonograph, permitting blending or fading as desired. "Mixing" action is electronically controlled in the 6A6 tube. Provision is also made to permit the use of an additional microphone, with a special selector switch arrangement which allows either microphone to be cut in at will. This feature adds real versatility to the system, making it possible to achieve special effects such as off-stage announcements, solo work with or without orchestration, etc. Tone Control is provided to give bass or treble emphasis and to compensate for various acoustical conditions. All controls are conveniently located on front base of amplifier. Polarized receptacles are provided for microphone and speakers. Twin-jack accommodates phonograph input.

EXTENDED RANGE

Brilliant engineering has made the Knight 18 Watt Sound System a marvel of efficiency, resulting in exceptional high gain and remarkable wide-range fidelity. Frequency response is essentially flat from 50 to 10,000 C.P.S. The four stages utilized in the amplifier develop the exceptionally high gain of 115 db. At full rated output, distortion is only 7%. Hum level is minus 25 db. These splendid characteristics assure high output coupled with excellent fidelity. The Knight 18 Watt Sound System is ideal both for sound reinforcement as well as for powerful public address coverage.

NEW CRYSTAL MIKE

The Knight 18 Watt High-Gain Sound System uses the newly developed Astatic Dual Diaphragm non-directional Crystal microphone. This new type of crystal microphone has an exceptionally fine frequency response; it greatly reduces feed-back and will pick up sound from any angle. In addition, it has the advantage of being extremely compact and inconspicuous—actually the size of an ordinary watch. The microphone is attractively mounted on a sturdy floor type stand with chromium-plated stem. The stand is fully adjustable from 46 to 72 inches and has a sure-grip clutch. The Knight 18 watt high-gain amplifier utilizes to the utmost all of the desirable features of the new type of high fidelity crystal microphone for both speech and musical reproduction. (An additional Astatic Crystal Microphone and stand may be added if desired for special effects.)

COMPLETE SYSTEM

The complete Knight 18 Watt High Gain system includes: 1—Knight 18 watt amplifier; 1—Astatic dual-diaphragm Crystal Microphone; 25 feet of special crystal microphone cable and polarized plug; 1—de luxe chromium-plated stem floor stand; and 2—12 inch Knight dynamic speakers with 30 foot cords and plugs. Supplied with Raytheon Tubes and complete instructions. Operates on 110 volts 60 cycles A.C.

A9915
List. \$115.00.
\$63.85
PRICE
(Note: Portable cases for both amplifier and speakers are shown on Page 36.)

4 HIGH GAIN STAGES • ELECTRONIC MIXER



18 WATT SOUND SYSTEM WITH VELOCITY MICROPHONE

The Knight 18 Watt High-Gain Velocity Microphone Sound System is offered to meet a growing demand for ultra high-quality wide-range amplification. This system is essentially the same as that described on the previous page, but it is furnished with a high quality velocity microphone. It achieves full coverage and brilliantly realistic tonal output, making it ideal for use by musicians, singers, dramatic artists, churches, orators, etc., for beautiful reinforcement of both voice and instruments. This complete Knight 18 Watt System includes: 1—Knight 18 Watt High-Gain Amplifier; 1—high-grade Velocity Microphone; 25 foot rubber-covered shielded microphone cable and plug; 1—Knight statuary-bronze finished microphone floor stand; 2—12 inch Knight dynamic speakers with 30 foot cords and plugs. Complete with Raytheon tubes and full instructions. Operates on 110 volts, 60 cycles, A.C.

A9916. Complete Velocity Microphone System.

List, \$122.50.

YOUR PRICE **\$67⁵⁰**
(Portable Cases for both Amplifier and Speakers are shown on Page 36.)

18 WATT SOUND SYSTEM WITH BRUSH SOUND CELL MICROPHONE

The Knight 18 Watt High-Gain Sound System is also available with a genuine Brush Sound Cell Microphone (illustrated at right). This microphone features 360° pickup, exceptionally small size and an unusually wide frequency response. Especially suited for orchestra pickup and choral work. System comes complete as described above but with Brush Sound Cell Microphone instead of Velocity Microphone.

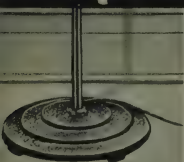
A9917. List Price, \$159.50.

YOUR PRICE **\$79⁹⁵**

(Portable Cases for both Amplifier and Speakers are shown on Page 36.)

The Knight 18 Watt High-Gain Sound Systems are manufactured under license arrangements with Electrical Research Products, Inc., subsidiary of Western Electric Co., Inc., Radio Corporation of America. Every component has been carefully selected and matched to assure outstanding performance and to operate simply and with long life. These systems can be quickly set up and properly operated by anyone. Each Knight 18 Watt Sound System is completely tested before shipment so that it measures fully up to the high standards of tonal and power performance of which it is capable.

High Gain SOUND SYSTEM



AMPLIFIER ONLY

LOW-PRICED—POWERFUL

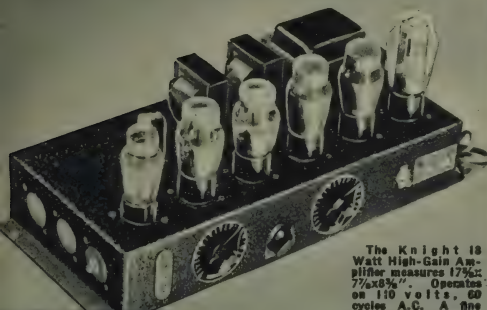
The Knight 18 Watt High-Gain Amplifier is available separately as an ideal nucleus for sound systems using low level microphones. Particularly fine for installation in auditoriums, ballrooms, churches, for dance orchestras, soloists, etc. Has input for crystal microphone and phono. 4 high gain stages develop a remarkable gain of 115 db. permitting the direct use of crystal or high impedance velocity microphones without requiring the use of a pre-amplifier. Uses 1—6C6 as microphone pre-amplifier; 1—6A6 as voltage amplifier and electronic mixer; 1—6A6 as phase inverter and driver; 2—6B5 as push-pull power output stage; with 5Z3 rectifier. The frequency response of the Knight 18 watt high-gain amplifier is essentially flat from 50 to 10,000 cycles. Distortion is less than 7% at full output; hum level is minus 25 db.

BUILT-IN ELECTRONIC MIXER

The Knight 18 watt high gain amplifier has individual volume controls for both microphone and phonograph, permitting them to be "faded" or "mixed" as desired. Provision is made for the use of two microphones, either of which may be used at will. Tone Control is built in for bass or treble emphasis. Controls are conveniently located on front base of amplifier. Polarized receptacles are provided for microphone and speakers. A twin jack accommodates the phonograph input. The Amplifier has built-in field excitation for 2—4000 ohm dynamic speakers; output is universal, tapped at 4, 8, 16 and 500 ohms.

A9918. Knight 18 Watt High-Gain Amplifier, less tubes. **\$27⁹⁵**
List, \$57.50. **YOUR PRICE**
A9964. Raytheon Tube Kit **\$4.67**

(See Page 36 for suitable Portable Case.)



The Knight 18 Watt High-Gain Amplifier measures 17½" x 7½" x 8½". Operates on 110 volts, 60 cycles A.C. A low value in a popular high quality amplifier.

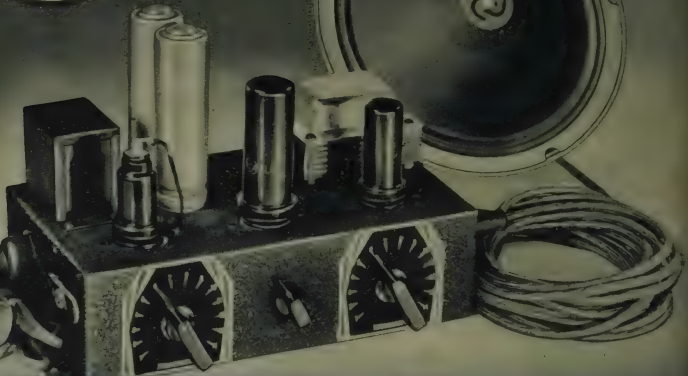
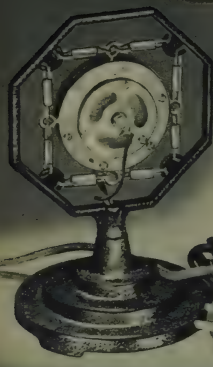
AMPLIFIER SCREEN COVER

A9919. Attractive perforated steel shield cover to fit the Knight 18 Watt High-Gain Amplifier. Affords complete protection of tubes and components. Fits snugly. Black finish. **YOUR PRICE** **\$1⁹⁵**

\$27⁹⁵

FULL 18 WATTS • OUTSTANDING VALUE

Manufactured Under License Arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.



Knight 8 WATT "Little Giant" STANDARD SOUND SYSTEM

BEAM POWER

The amazing new 6L6 Metal Electron - Beam Power Output tube is used in the Knight 8 Watt "Little Giant" Amplifier.

An outstanding new inexpensive sound system ideally suited for small installations where limited coverage is desired. Very suitable for use in store demonstrations, small halls, churches, club-rooms, call systems, etc. Comes to you complete, ready to set up quickly and easily. Has many distinctive advantages in compactness and completeness; no external batteries or mixers are required; microphone transformer and current supply are built in. Output is full eight watts with remarkably true tonal fidelity. The complete Knight 8 Watt Sound System includes the Little Giant 8 Watt Amplifier, a high quality full 8 1/2 inch dynamic speaker equipped with 25 foot, 4 conductor cord and plug, a high grade 2 button carbon microphone with 25 foot 3 conductor cable and plug, attractive 9 inch microphone desk stand, kit of Raytheon tubes and complete operating instructions. Each system is carefully tested in our laboratory before shipment.

METAL TUBES

The Knight Little Giant amplifier incorporated in the 8 Watt System utilizes to the fullest advantage three of the newest perfected metal tubes. A 617 voltage amplifier tube and a 6L6 Beam Power output tube provide a gain of 65 db. with full 8 watt power output. A 5Z4 tube is used as rectifier. This ultra-modern tube combination makes possible maximum power at low cost.

FINE FIDELITY

The complete Knight 8 Watt Sound System has essentially uniform frequency response from 50 to 5000 cycles. Excellent tonal fidelity is always evident, with full rich output. A variable Tone Control is provided to accentuate bass or treble as desired and to compensate for various acoustical conditions. The use of the new amazing 6L6 Beam Power Amplifier tube keeps distortion at a minimum, assuring ample output with fine fidelity. Hum level is minus 23 db.

BUILT-IN MIXER

The Knight Little Giant 8 Watt Sound System is provided with a double button carbon microphone. Also has provision for high impedance phono pickups. Equipped with separate volume controls for both microphone and phonograph which permit effective blending and fading action. MICROPHONE CURRENT IS AUTOMATICALLY SUPPLIED BY THE AMPLIFIER. No external batteries or mixers are required.

COMPLETELY ASSEMBLED

The Knight 8 Watt Sound System comes to you complete, with all cables and plugs attached. Anyone can easily and quickly install this system. Microphone and speaker receptacles are polarized and clearly marked for rapid convenient connection. Operation is unusually simple; all controls are conveniently grouped on front of base. Additional jacks are provided for phonograph input and for extra speaker or headphones. Complete easy-to-follow instructions are provided. This high quality low-cost 8 Watt System has hundreds of useful applications.

SYSTEM COMPLETE

The Knight 8 Watt Sound System includes the Little Giant Amplifier described below, a high grade full 8 1/2 inch dynamic speaker with 25 foot 4 conductor cord and plug attached, a good quality double-button carbon microphone with 25 foot 3 conductor cable and plug, attractive 9 inch microphone desk stand, a kit of Raytheon metal tubes, and complete operating instructions. For operation on 110 Volts, 60 cycles A.C.

A9906, Complete Knight 8 Watt System. List Price, \$42.50.

YOUR PRICE

\$21.95

(Portable Cases are shown on Page 36.)

8 WATT AMPLIFIER Only

The Knight 8 Watt Amplifier is offered separately as an ideal replacement for old amplifiers or for use as the heart of practically any low-powered sound system. Compactly designed; measures 12x6x7 1/4 inches. Weighs 8 1/4 lbs. Has built-in microphone transformer and current supply; with mike and phono mixer. Develops full eight watts using 1-617 and 1-6L6 metal tubes and 5Z4 metal rectifier. Has an excellent gain of 65 db. with essentially flat frequency response from 50 to 10,000 cycles. Supplies held current for one 1000 ohm dynamic speaker; output is from plate of 6L6. Input is for single or double-button carbon microphone and high impedance magnetic pickups. For 110 volts, 60 cycles, A.C.

AMPLIFIER SCREEN COVER

A9907, Perforated, metal protective screen; covers tubes only. YOUR PRICE

85c

A9905, 8 Watt Amplifier only.

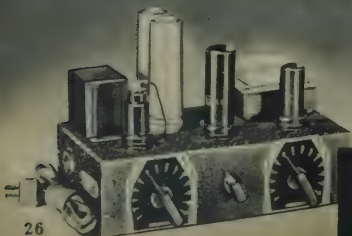
List, \$24.50.

YOUR PRICE

A9960, Kit of Raytheon Metal Tubes (See Page 36 for Portable Case).

\$11.85

\$11.85



Knight 20 WATT SOUND SYSTEM

Manufactured Under License Arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.



A new popular type of general-purpose sound system, ideal for use where good coverage and fine tone are desired. High quality amplifier and matched components assure full 20 watts output with true tonal fidelity. Especially suited for use in dance halls, skating rinks, schools, churches, side-shows, political rallies, etc. One of the finest low-priced general-purpose sound systems available. Comes complete for immediate operation. Includes: The Knight 20 watt amplifier as described below; a high-grade double-button carbon microphone with 25 foot cable and plug; statutory-bronze finish microphone floor stand; 2-12 inch Knight Auditorium Dynamic speakers with 30 foot cords and plugs; set of matched Raytheon tubes; complete with instructions. A complete and highly effective Public Address System which has hundreds of sound applications.

2 CHANNEL MIXER

The Knight 20 Watt Sound System uses a carbon microphone for excellent fidelity and fine coverage. Also arranged for phonograph input. The amplifier is provided with separate volume controls permitting microphone and phonograph to be blended or "mixed" at will. Microphone transformer is built-in; mike current is automatically supplied. Tone Control is incorporated for tonal emphasis; also serves to compensate for various acoustical conditions. Microphone and speakers are equipped with special polarized plugs.

USES CARBON MIKE

One of the finest two-button carbon microphones is supplied with the Knight 20 Watt System. This mike has an excellent frequency range for high quality voice or musical pickup. The entire system has been carefully matched of finest components to assure peak performance at all times with wide-range fidelity. Here is an exceptional Public Address value that gives you good power output and pure tone for a multitude of sound applications.

FULL 20 WATTS OUTPUT

The Knight 20 Watt Sound System will deliver full rated output with wide-range fidelity from 50 to 7000 C.P.S. Latest tubes are used at maximum efficiency in the amplifier as follows: 1-57 as voltage amplifier-mixer; 1-56 as driver; 2-2A3 as special power output; 1-5Z3 as rectifier. Gain is 83 db. Hum level is unusually low, minus 26 db. The two Knight 12 inch Auditorium Dynamic Speakers handle full volume with ease, reproducing with highest fidelity. Field current for both speakers is supplied by the amplifier.

COMPLETE SYSTEM

The Knight 20 Watt Sound System includes: 1-Knight 20 Watt amplifier; 1-double-button carbon microphone with 25 foot shielded weatherproof cable and plug; 1-floor stand; 2-12 inch Knight Auditorium Dynamic Speakers with 30 foot cables and plugs; set of Raytheon tubes; with complete operating instructions. For 110 Volts, 60 cycles A.C.

A9923. Complete System.
List, \$107.50.
YOUR PRICE

\$54⁹⁵

AMPLIFIER Only

The Knight 20 Watt Amplifier is available separately for use as a replacement unit or as a nucleus for general-purpose sound systems. Completely enclosed in ventilated steel case with convenient carrying handles. 17x12x8 1/2 inches. Has built-in 2 channel mixer for any carbon microphone and high impedance phonograph pickup. Microphone current is automatically supplied. Supplies field current for 2-4000 ohm dynamic speakers. Output is tapped at 4, 8, 16 and 500 ohms. Includes tone control, "on-off" switch and indicating bulb's-eye. Polarized receptacles are conveniently placed at rear for input and output connections. Fused for safe operation. For 110 Volts, 60 cycles.

A9922.

List, \$62.50.

YOUR PRICE

\$31⁴⁵

A9970. Raytheon Tube Kit.....\$2.73
(See Page 36 for Portable Case.)



\$31⁴⁵



A GIANT SOUND SYSTEM WITH NEW METAL TUBES



Knight 35 WATT

35 WATT HIGH GAIN SOUND SYSTEM WITH 2 CRYSTAL MICROPHONES

Manufactured Under License Arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.

A powerful new 35 Watt High-Gain Sound System delivering a giant output of 35 watts with wide-range fidelity at a remarkably low price. Uses two high grade new type dual-diaphragm Astatic Crystal microphones. Especially developed for excellent service where large coverage and fine tone quality are desired. Recommended for large auditoriums, dance halls, theatres, convention halls, skating rinks, athletic fields, etc. Offered complete as follows: 1—Knight 35 Watt High-Gain Amplifier; 2—Astatic dual-diaphragm type crystal microphones with 25 foot special rubber-covered cables and plugs; 2—Knight de luxe microphone floor stands; 2—Knight 12-inch auditorium dynamic speakers with 2—30 foot cords and plugs; complete with matched Raytheon Tube Kit and all necessary instructions. Easy to set up and operate. Absolutely complete in every respect. The Knight 35 Watt Dual Crystal Microphone System is particularly designed for use by orchestras desiring high quality musical background for vocal numbers; for church and school dramatics; for auditorium and hall platform use; for theatre stage presentation; for outdoor pageants and field days, etc.

GIANT 35 WATTS OUTPUT

The newly-designed circuit of the amplifier used in the Knight 35 Watt Sound System has 4 high gain stages, using the latest metal tubes as follows: 2—6J7's as preamplifier tubes (one for each microphone); 2—6N7's as voltage amplifiers and electronic mixers; 1—6CS as driver, with 2—6L6's as push-pull Beam Power output stage; an 83 tube is rectifier. This powerful circuit develops a gain of 121 db, permitting the direct use of the two crystal microphones without external pre-amplification. Frequency response is exceptionally flat from 50 to 10,000 cycles. Distortion is less than 7% at full 35 watt output. All components of the Knight 35 Watt High-Gain Sound System have been carefully selected and matched for powerful output, wide-range fidelity and widespread application.

TWO DUAL DIAPHRAGM CRYSTAL MICROPHONES

The built-in dual channel pre-amplifier incorporated in the Knight 35 Watt High Gain Amplifier permits the direct use of two of the new dual-diaphragm type Astatic Crystal microphones. The three-channel electronic mixer allows blending or fading of both microphones as desired. The use of the two crystal microphones permits high quality wider-range pickup; also allows versatile pickup of voice or music, strengthening and reinforcing the softer musical passages and instruments. The two Astatic Crystal Microphones supplied with the system are of the finest quality available. They are non-directional and pick up sound from any angle. The two large 12 inch auditorium dynamic speakers handle full output without distortion, rendering wide-range tonal fidelity. The Knight 35 Watt High Gain Crystal Microphone System answers the need for crystal coverage, complete program pickup, and true high quality reproduction. Offers continuous service, full 35 watt output and faithful reproduction at a value-giving low price.

LARGE POWER—LOW COST

For installations requiring giant output with good tonal quality, at a reasonable price, the Knight 35 Watt High-Gain Dual Microphone System is the logical answer. It is remarkable for its simplicity and completeness, and for its ease of installation and operation. Anyone can set this system up for operation in just a few minutes. Has a multitude of applications, including use for large political meetings, for skating rinks, for dramatic performances, for large orchestras, for athletic fields, etc. An ideal large power, low cost sound system which offers versatile high fidelity microphone reproduction and brilliant phonograph performance.

3 CHANNEL MIXER

A unique circuit is provided for complete easy control of the Knight 3 channel 35 Watt Amplifier. A separate volume control is provided for each crystal microphone and for phonograph. This arrangement permits full control of any degree of blending or "mixing" as desired. One or both microphones may be used for singing or speech against a soft musical background from phono or orchestra. Tone Control is also provided to accentuate bass or treble and to compensate for unfavorable acoustical conditions. This adequate control design makes the operation of the Knight 35 Watt System extremely simple and efficient, and adapts it for truly versatile application.

COMPLETE SYSTEM

The complete Knight 35 Watt High Gain System includes: 1—Knight 35 Watt Amplifier; 2—Astatic Crystal Microphones with 25 foot cables and plugs; 2—De Luxe Microphone Floor Stands; 2—12 inch Knight Dynamic Speakers with 30 foot cords and plugs; complete Raytheon tube kit and instructions. For 110 volts, 60 cycles A.C. A9927. Complete System. NET. \$104.50

(See Page 36 for Portable Cases.)

BEAM POWER

Two of the amazing new 6L6 Electron Beam Power Output Metal Tubes are used in the Knight 35 Watt High-Gain Amplifier in a mighty push-pull arrangement to assure more than rated power.

WITH NEW Beam Power TUBES

35 WATT SOUND SYSTEM WITH 2 VELOCITY MIKES

This Knight 35 Watt High-Gain Sound System, using two high grade velocity type microphones, has been developed especially for applications demanding exceptionally faithful and true reproduction of both voice and music. Especially suited for sound reinforcement of large orchestras, for chorus and concert work, for soloists, for dramatic presentations, etc. This complete public address system has no peer for power and high quality in its price class. It is shipped complete, ready for instant setting up. Includes: 1—35 Watt Knight High-Gain Amplifier; 2—Velocity Microphones with 25 foot cords and plugs; 2—high grade floor stands; 2—12 inch Knight Dynamic Speakers with 30 foot cords and plugs; Raytheon tube kit and complete instructions. The Knight 35 Watt High-Gain Dual Velocity Microphone System is an unusual value.

A9928. System Complete.

List Price, \$212.50.

YOUR PRICE

(For Portable Amplifier and Speaker Cases, see Page 36.)

\$113⁷⁵

The Knight 35 Watt High-Gain Sound Systems are manufactured under license arrangements with Electrical Research Products, Inc., subsidiary of Western Electric Co., Inc., Radio Corporation of America.

3 CHANNEL *High Gain* SOUND SYSTEM

35 WATT SOUND SYSTEM WITH 2 BRUSH SOUND CELL MIKES

The Knight 35 Watt High-Gain Sound System is also available with 2 genuine Brush Sound Cell Microphones (illustrated at right). These microphones feature 360° pickup, exceptionally small size, and an unusually wide frequency response. Especially suited for high quality orchestral and choral reinforcement. System complete as described above but with 2—Brush Sound Cell Microphones instead of Velocity Microphones.

A9929.

List Price, \$247.50.

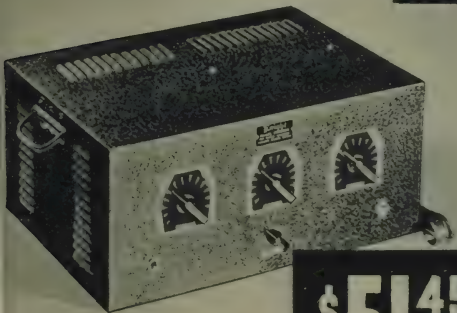
YOUR PRICE

(For Portable Amplifier and Speaker Cases, see Page 36.)

\$137⁵⁰



AMPLIFIER ONLY



The Knight 30 Watt High Gain Amplifier is offered in a fully-enclosed, ventilated steel cabinet, 17x12x8 1/2 inches. Attractive black-crackle finish.

\$51⁴⁵

The Knight 35 Watt High Gain Amplifier is available separately for replacement in high grade sound systems or as initial equipment. Has input for two crystal or two high impedance velocity microphones, and phonograph. Four high gain stages develop a gain of 124 db, permitting the direct use of low-level microphones without external preamplification. Uses 2—6J7, 2—6N7, 1—6C5, 2—6L6 metal tubes, 1—83 rectifier. The amplifier has an exceptionally wide frequency response flat from 50 to 10,000 cycles. Distortion is less than 7% at full 35 watt output. Hum level is minus 25 db. Field supply for 2—4000 ohm dynamic speakers is built in. Output is universal, tapped at 4, 8, 16 and 500 ohms. Polarized receptacles for microphones and speakers are provided.

DUAL MIKE INPUT—3 CHANNEL MIXER

The Knight 35 Watt High Gain Amplifier is equipped with individual volume controls for each microphone and for phonograph, permitting them to be blended or "mixed" in any degree, as desired. Controls are within easy reach on front panel. A tone control is also provided to attenuate the higher frequencies where "feedback" may be encountered. An A.C. switch and bull's-eye are also located on the front panel. Supplied less tubes.

A9926.

List, \$102.50. NET.

A9967. Raytheon Tube Kit.

(For Portable Amplifier case, see Page 36.)

\$51⁴⁵

\$6.21

Manufactured Under License Arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.



NEW 20 *Knight* WATT *High-Gain* MOBILE-PORTABLE SOUND SYSTEM

AVAILABLE NOW FOR OPERATION ON 6 VOLTS D.C. AND 110 VOLTS, A.C.

An entirely new powerful Public Address System designed for versatile performance. Operates directly and entirely from a single 6 volt storage battery wherever A.C. current is not available, or may be used on 110 Volts A.C. current simply by adding the inexpensive power pack listed below. Has truly universal application for mobile or temporary installations both indoors and outdoors, no matter what the current limitations may be. Will cover large crowds with wonderful power and excellent fidelity. Compact and portable. May be simply and quickly installed or changed from car to car or from one place to another. The finest and most efficient mobile-portable sound system available. Features a powerful 20 watt new high-gain circuit for direct operation of a high quality Astatic Dual-diaphragm Crystal Hand Microphone as well as phonograph. Built of the finest components and designed for the utmost simplicity in installation and operation. Anyone can operate the Knight 20 Watt Mobile System easily and properly.

COMPACT—PORTABLE—COMPLETE

The complete Knight 20 Watt Mobile-Portable System consists of: 1—powerful 20 Watt High-Gain Amplifier, high grade dynamotor, single-speed electric phono motor, good quality magnetic pickup and control panel all self-contained in a single compact steel cabinet with carrying handles; 2—new type 12 inch Permanent Magnet Dynamic Speakers with 10 foot cords and polarized plugs; 1—new type Astatic Dual-diaphragm Crystal Hand Microphone with 6 foot cord and polarized plug. Designed to operate directly from a single 6 volt storage battery, but equipped with receptacle for quick connection to special 110 Volt A.C. power pack described below, to permit efficient operation from any 110 Volt 60 cycle A.C. line. The powerful 20 Watt High-Gain Amplifier uses six new type tubes in an efficient 4 stage circuit with a gain of 165 db. Tubes used are: 1—6C6, 2—76, and 3—6AB6. The amplifier has an essentially flat frequency response from 50 to 10,000 C.P.S.

The amplifier has an essentially flat frequency response from 50 to 10,000 C.P.S.

BUILT-IN MIXER

The built-in control panel conveniently located on the top face of the steel amplifier cabinet carries separate volume controls for the microphone and phono pickup, permitting blending and "mixing" of voices or music as desired. Also includes tone control as well as "on-off" switch and bull's-eye. Polarized receptacles are provided for plugging in microphone, speakers, "A" cable and 110 Volt A.C. power pack. May be installed completely, disconnected, or changed from 6 volts to 110 volts source, quickly and easily.

NEW CRYSTAL MIKE

The built-in preamplifier incorporated the Knight 20 Watt High-Gain Portable-Mobile amplifier permits the direct use of a new type Astatic Dual-diaphragm Water-tight Crystal Hand Microphone. The use of this new microphone assures exceptional fidelity of voice reproduction and an outstanding quality of tone never before possible in a mobile sound installation. The convenient compact size of the Astatic Crystal Hand Microphone permits its use practically anywhere. It has the ruggedness and quality essential especially for mobile work.

COMPLETE 20 WATT SOUND SYSTEM

The Knight 20 Watt High-Gain Mobile-Portable System is offered for operation from a 6 Volt storage battery (110 Volts, 60 cycles A.C. power pack is listed below), complete as follows: 1—20 Watt High-Gain Amplifier, mixing panel, and phonograph in steel cabinet, with 2—12 inch Permanent Magnet Dynamic Speakers with cords and plugs, Astatic Crystal Hand Microphone with cord and plug, and complete operating instructions. Cabinet measures 11½x14½x16 inches. Shipping weight of system is 35 lbs.

A9920, Complete 6 Volt 20 Watt System.

List Price, \$240.00.

YOUR PRICE, less tubes.....

A9965, Raytheon Tube Kit.....

(For suitable speaker baffles, see Page 36.)

A9921, SPECIAL PLUG-IN 110 VOLT 60 CYCLES A.C. POWER PACK. Designed for use with the Knight 20 Watt High-Gain Mobile-Portable Sound System described above. Permits complete operation of system from any 110 Volt, 60 cycle A.C. line. Complete with rectifier tube.

List, \$25.00. YOUR PRICE.....

\$119.50

\$12.95



WITH NEW TYPE CRYSTAL HAND MICROPHONE

Knight 10 WATT MOBILE SOUND SYSTEM

Manufactured Under License Arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America



PORTABLE—ECONOMICAL

A popular, attractively-priced compact Mobile Sound System. Delivers full 10 watts power output with good coverage. Ideal for use in sound cars and trucks. Has unusual advantages in convenient portability. May be quickly set up for operation or transferred from one place to another. Splendidly engineered for economical operation. Uses high-gain low-drain tubes in three efficient stages—1—79 and 2—6A6 tubes, with 84 rectifier. Works entirely from a single 6 volt storage battery. Total battery drain is only 6.75 amperes. Entirely eliminates the expense of gas engine-driven plants or fan belt-driven generators formerly required in mobile installations. The Knight 10 Watt Mobile Sound System is a truly economical outfit which assures dependable performance and full output at all times.

WITH BUILT-IN MIXER

The built-in control panel is conveniently placed on the top of the steel cabinet for easy accessibility. It provides separate volume controls for microphone and phonograph, permitting blending and "mixing" of voice and music as desired. Microphone transformer and current supply are built in. The amplifier has an excellent gain of 65 db., and a frequency response essentially flat, from 60 to 10,000 C.P.S. The Knight 10 Watt Mobile Sound System is the only moderately priced outfit of its kind, offering versatile phono and microphone performance, compactness, portability, economy and convenience. Can be installed quickly and easily for use anywhere.

OPERATES FROM 6 VOLT BATTERY

Only one 6 volt storage battery is required for complete operation of the Knight 10 Watt Mobile Sound System. Has input for a double-button carbon hand microphone as well as for phonograph. Consists of: ten watt high quality amplifier with built-in vibrator "B" supply, hand-wound spring amplifier with built-in high quality magnetic pickup, and control panel built into compact sturdy steel case; 1—2 button hand microphone with 6 foot cord and polarized plug; 1—Knight 12 inch 6 volt dynamic speaker with 10 foot cord and polarized plug. Amplifier has individual volume controls for phonograph and microphone, master "on-off" switch and polarized receptacles for plugging in microphone, speaker and "A" cable.

COMPLETE 10 WATT SYSTEM

The complete Knight 10 Watt Mobile Sound System consists of: 1—10 watt amplifier, control panel and spring-wound phonograph built into a single steel cabinet, 12x12x10 inches; 1—12 inch Knight dynamic speaker with 10 foot cord and polarized plug; 1—2 Button Hand Microphone with 6 foot cord and polarized plug; with complete instructions. Operates completely from a single 6 volt storage battery. Wt., 43 lbs.

\$62⁷⁵

A9900. List, \$127.50. YOUR PRICE.....
A9962. Raytheon Tube Kit.....\$2.72
(For suitable speaker baffles, see Page 36.)

Knight 60 WATT High Gain AMPLIFIER

A new giant high-gain amplifier designed for complete coverage of huge crowds. Fully utilizes the new 6L6 Electron Beam Power tubes for tremendous output and excellent fidelity. Particularly recommended for outdoor use in large athletic fields, in public parks, in music handshells, at race tracks, circuses, etc. Makes a super-powerful nucleus around which a giant-power sound system can be built. Designed for use with crystal or high impedance velocity microphones and phonographs for exceptional wide-range tonal fidelity. Has built-in mixer with separate volume controls for microphone and phonograph, permitting blending or fading action as desired. Incorporates Tone Control to accentuate bass or treble and to correct unfavorable acoustical conditions.

NEW 6L6 METAL TUBES—HIGH GAIN

The Knight 60 Watt Super-Power Amplifier develops a high gain of 122 db. permitting the use of crystal or high impedance velocity microphone without external preamplification. Has exceptional frequency response essentially flat from 50 to 10,000 C.P.S. Has 4 powerful stages, uses 2—6C6, 2—6A6, 1—6E6, 2—6L6, 1—83 and 1—5Z4 tubes. Distortion is less than 7% at full rated output. Output is 500 ohms. Fused for safety. Polarized receptacles are provided for input and output. Front panel bears all controls; includes separate phono and mike volume controls, tone control, "on-off" switch and built-in eye. Housed in a ventilated steel cabinet, 17x12x8 3/4 inches; adaptable for relay rack mounting. For 10 volts, 60 cycles A.C. operation.

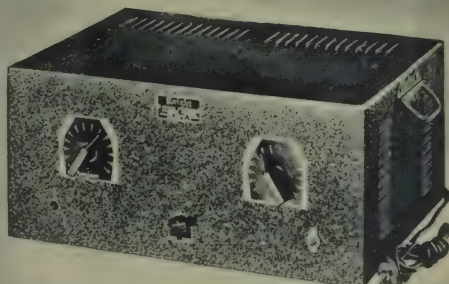
\$59⁹⁵

Shpg. wt., 41 lbs.

A9950. Less Tubes. List, \$120.00.

YOUR PRICE.....

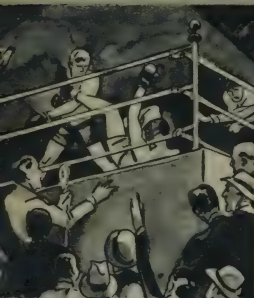
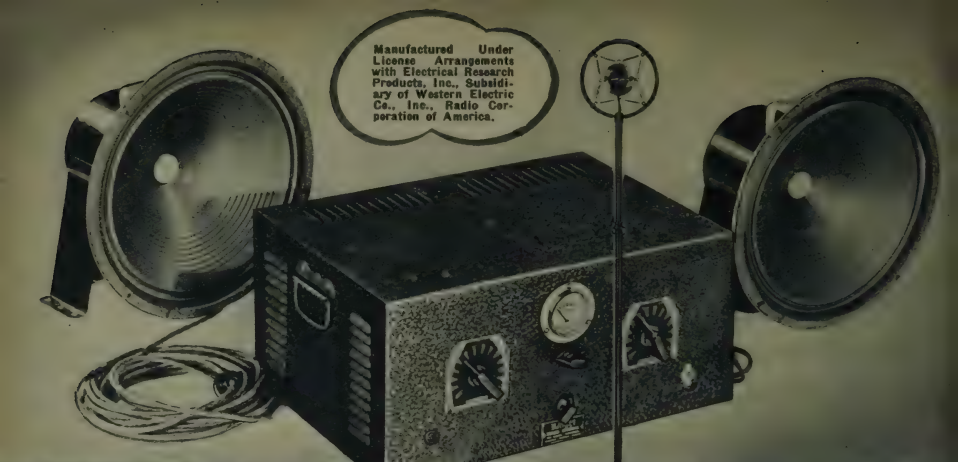
A9969. Raytheon Tube Kit.....\$6.69



Let us help you select a complete giant power sound system built around the new Knight 60 watt amplifier to meet any indoor and outdoor need for huge coverage. Simply describe your requirements to us and we will quote promptly and completely for exactly the type of system you will require.

IDEAL FOR TREMENDOUS COVERAGE

Manufactured Under
License Arrangements
with Electrical Research
Products, Inc., Subsidiary
of Western Electric
Co., Inc., Radio Corporation
of America.



Knight 35 WATT SOUND SYSTEM

A complete new all-purpose powerful public Address System built around a giant new Knight 35 watt amplifier. Furnished with a high quality 2 button carbon microphone. Versatile universal microphone and phonograph input coupled with tremendous output and wide-range fidelity, assures professional sound amplification indoors or outdoors. Ideal for permanent installations in schools, hospitals, hotels, auditoriums, dance halls, skating rinks, or wherever dependable giant power and good quality for large coverage is required. The complete system includes: 1—Knight full 35 watt Auditorium amplifier; 1—high quality Knight 2-button carbon microphone with 50 foot weatherproof cable and polarized plug; 1—Knight high grade microphone floor stand; 2—12 inch heavy-duty Knight auditorium dynamic speakers with 50 foot cords and plugs; complete Raytheon matched tube kit and all instructions. Includes everything for immediate powerful operation. Anyone can set this system up for operation in a few minutes.

MIXES MIKE & PHONO

The new Knight Amplifier used in the 35 watt system has input for double-button carbon microphone and phonograph. Separate microphone and phonograph volume controls are provided for blending or "mixing" to any desired degree. Includes mike current meter. Has built-in microphone transformer and adjustable current supply. Output is universal, 4, 8, 16 and 500 ohms. Tone Control is provided to attenuate the higher frequencies where "feedback" may be encountered. Has bull's-eye and on-off switch.

NEW 6L6 BEAM TUBES

The Knight 35 Watt Amplifier used in this system employs the latest metal and glass tubes—2—6J7, 2—6CS, 2—6L6 and 1—83 rectifier. The use of the new Electron Beam 6L6 power tubes in a mighty push-pull arrangement assures full rated output with minimum distortion. This powerful push-pull circuit has a gain of 85 db. with essentially flat frequency response from 50 to 10,000 cycles. Distortion is less than 7% at full 35 watts output. The amplifier will drive up to six dynamic speakers. dynamic units at high volume levels; it will operate more at lower levels. The entire amplifier is fused for safety and internally grounded.

TREMENDOUS COVERAGE

For installations requiring giant output with good tonal quality, at a reasonable price, the Knight 35 Watt Carbon Microphone System is the logical answer. It is remarkable for completeness and versatility, and for its faithful reproduction of both speech and music. Ideal for the faithful reproduction of voice and music in large halls and auditoriums, schools, stadiums, parks, churches, multiple speaker systems, etc.

SYSTEM COMPLETE

The complete Knight 35 Watt Sound System includes: 1—Knight full 35 Watt Amplifier; 1—high grade Knight 2-button carbon microphone with 50 foot cable and plug; 1—Knight high grade microphone floor stand; 2—12 inch Knight Auditorium Dynamic speakers with 50 foot cords and plugs; Raytheon tube kit; complete with instructions.

For 110 volts, 60 cycles operation.

Ships wt., 90 lbs.

A9931. List, \$142.50.

YOUR PRICE.....

(For Portable Amplifier and Speaker cases, see Page 36.)

\$75.85



AMPLIFIER ONLY

POWERFUL COVERAGE

The Knight 35 Watt Amplifier is available separately for use as a replacement unit or as a nucleus for other types of general-purpose sound systems. Has input for one double-button carbon microphone and one high impedance phonograph pickup. 3 push-pull stages using the latest metal tubes develop a gain of 85 db. Tubes used are: 2—6J7 as push-pull voltage amplifier tubes, 2—6CS as push-pull driver tubes, 2—6L6 Electron Beam tubes as push-pull power amplifier; with 83 rectifier. The amplifier has an exceptionally wide frequency response essentially flat from 50 to 10,000 C.P.S. Distortion is less than 7% at full rated output. Field supply for 2—4000 ohm dynamic speakers is built in. Output is universal, tapped at 4, 8, 16 and 500 ohms. Polarized receptacles are provided for microphone and speakers. Amplifier has individual volume controls for microphone and phonograph permitting blending or "mixing." A tone control is also provided. An A.C. switch and bull's-eye are located on the front panel. The amplifier is housed in a fully-enclosed ventilated steel cabinet, 17x12x8 1/2 inches. Black crackle finish. Operates on 110 volts, 60 cycles, A.C.

\$46.85

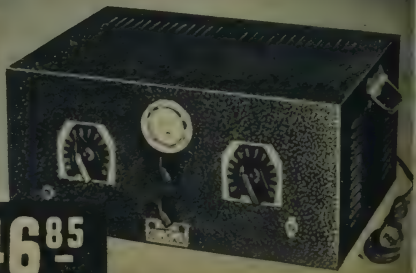
A9930. List Price, \$94.50.

YOUR PRICE, less tubes.....

A9966. Raytheon Tube Kit.....

(For Portable Amplifier case, see Page 36.) \$5.16

\$46.85



Knight PORTABLE SOUND SYSTEMS

18 WATT HIGH-GAIN SYSTEM

An entirely new, completely portable full 18 watt public address system of exceptional power and wide-range fidelity. Uses the new type dual-diaphragm Astatic Crystal Microphone. Designed especially for use by orchestras and lecturers, for demonstration purposes, funeral parlors, churches, political meetings, etc. Complete in every detail. Unusually portable, compact and convenient. Entirely self-contained in a single carrying case, $9\frac{1}{2} \times 18\frac{1}{2} \times 18\frac{1}{2}$ inches. Weighs only 45 lbs. complete. The Knight 18 Watt Portable Sound System is also arranged for phonograph input. (See page 43 for suitable portable phonographs.) It is provided with individual volume controls for phonograph and microphone permitting blending or fading in any degree desired. Tone control for bass or treble emphasis is also incorporated. For value, completeness, ready portability, ease of operation and highest tonal fidelity, the Knight 18 Watt Portable Sound System is unrivalled.

WITH NEW DUAL-DIAPHRAGM MIKE

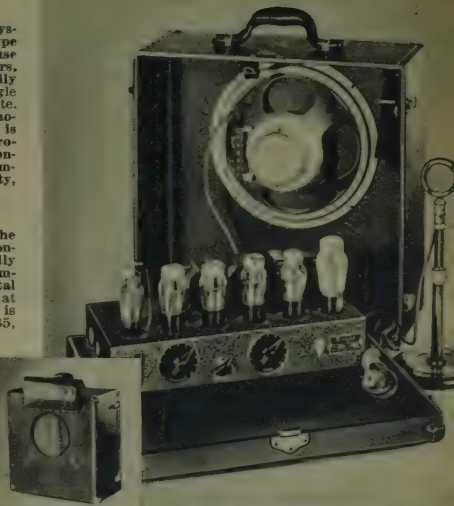
The new dual-diaphragm Astatic Crystal Microphone is used in the Knight 18 Watt Sound System. This high quality microphone is non-directional, picking up sound from any angle. It has an exceptionally fine frequency response from 20 to 10,000 C.P.S. The four stage amplifier develops a remarkable high gain of 115 db. to utilize the crystal microphone to fullest advantage. Frequency response is essentially flat from 50 to 10,000 C.P.S. The full 18 watt output from the circuit is assured by the use of the following tubes: 1—6C8, 2—6A6, 2—6B5, 1—5Z3.

SYSTEM COMPLETE

The complete Knight 18 Watt Portable Sound System includes: 1—18 watt high-gain amplifier; 1—dual diaphragm crystal microphones mounted on 10 inch banquet stand with 25 foot cable and polarized plug; 1—12 inch Knight dynamic speaker with 30 foot cable and plug. Entirely self-contained in a single sturdy carrying case. Complete with tubes and instructions. For operation on 110 Volts, 60 cycles A.C.

A9910. List, \$116.50

YOUR PRICE COMPLETE. \$64⁵⁰
(Extra speaker in portable case is available at \$9.97. The above system can also be had with a de luxe floor stand instead of banquet stand at \$1.25 additional.)



8 WATT High-Gain SYSTEM

A new Knight 8 Watt High-Gain Portable Sound System designed for coverage of small audiences, ideal for musical organizations, lecturers, demonstrators, side-shows, etc. Uses the new Astatic Dual-Diaphragm Crystal Microphone for quiet performance and clear reproduction of both voice and music. Input is provided for the crystal microphone supplied and for a high impedance phonograph. Individual volume controls are provided for microphone and phonograph for mixing and blending voice and music. Tone control permits compensation for varying acoustical conditions. The use of the latest powerful metal tubes in the high-gain circuit of the amplifier assures full 8 watts output practically free from distortion. The new 6L6 Electron Beam Power Tube plays an important part in developing this flawless power. A large $8\frac{1}{2}$ inch Knight Dynamic speaker handles full volume without blasting. All components are housed in a single compact carrying case, $8\frac{1}{2} \times 12\frac{1}{2} \times 16\frac{1}{2}$ inches. Weight complete is only 24 lbs.

COMPLETE 8 WATT HIGH-GAIN SYSTEM

The complete Knight 8 Watt High-Gain Portable Sound System includes: 1—Knight 8 Watt high-gain amplifier; 1—Astatic Dual-diaphragm microphone mounted in an attractive banquet stand with 25 foot cable and polarized plug; 1— $8\frac{1}{2}$ inch Knight dynamic speaker with 25 foot cable and polarized plug. Entirely self-contained in a single sturdy carrying case. Complete with tubes and instructions. For operation on 110 volts, 60 cycles, A.C. A wonderful value in a complete, compact full 8 watt portable system.

A9911. List, \$82.50.

YOUR PRICE COMPLETE. \$44³⁵
(The above system can also be had with a de luxe floor stand instead of banquet stand at \$1.25 additional.)

8 WATT STANDARD SYSTEM

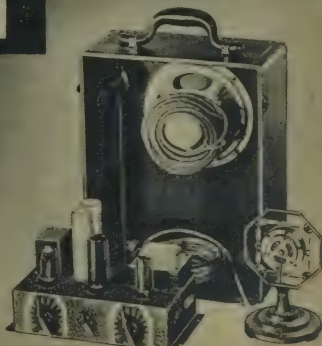
COMPACT—PORTABLE—INEXPENSIVE

A compact new portable sound system delivering a full output of 8 watts. Uses the genuine new metal tubes throughout for complete stability and for space economy. Exceptionally well-suited for small orchestras, demonstration purposes, ballyhoo, small halls, political rallies, etc. Entirely contained in a single case, $8\frac{1}{2} \times 12\frac{1}{2} \times 16\frac{1}{2}$ inches. Weighs only 24 lbs. The Knight 8 Watt Standard Portable System has input for phonograph as well as for microphone. It is provided with individual volume controls for microphone and phonograph to permit "mixing" action. Also includes tone control. Microphone transformer and current supply are built into the amplifier. Full eight watts output and minimum distortion are assured by the use of the amazing new 6L6 Electron Beam power tube. Complete system includes: 1—8 watt metal tube amplifier; 1—high quality carbon microphone in desk stand with 25 foot cord and polarized plug; 1—8 inch Knight dynamic speaker with 25 foot cable and plug—all in a single unit carrying case. Use 1—6J7, 1—6L6, 1—5Z4 metal tubes. For 110 volts, 60 cycles A.C. An unusual value in a high quality full eight watt portable sound system.

A9912. Complete with tubes. List, \$52.50.

YOUR PRICE

\$27³⁵





Knight INSTITUTIONAL SOUND SYSTEMS

EFFECTIVE SOUND DISTRIBUTION FOR SCHOOLS, HOSPITALS, HOTELS, ETC.

ALLIED now makes available a complete line of custom-built Sound Systems designed to meet the sound distribution needs of schools, hospitals, hotels, department stores, etc. This equipment is the product of considerable experience in filling the special sound needs of innumerable institutions, both large and small. The new Knight Institutional Sound Systems are distinguished for their completeness, their adaptability for future expansion, their outstanding quality and their low cost. Every conceivable institutional sound need can be covered by this type of Knight system. In schools, it is invaluable in supplementing the regular educational program by means of radio and record distribution. It has further advantages for assembly work, for individual class room contact, for alarms, etc. In hospitals, hotels, etc., perfect radio and record distribution is available for patients and guests. Each Knight System is hand-built to meet the requirements of the institution for which it is intended. It is built into an attractive wood cabinet of harmonious design to blend with any setting. While the size of the system may vary, basic built-in equipment includes a powerful high quality amplifier, all-wave radio tuner, 2 speed phonograph, program selector panels, speaker selection and distribution controls, volume level indicator, and monitor speaker. A high quality Crystal Microphone is included and Jensen wall type peri-dynamic speakers are supplied. Knight Institutional Sound Systems are available with single or dual channel input, to operate practically any number of speakers. "Talk-back" or "monitor" feature may also be included if desired. There is a Knight Sound Distribution System for every need and requirement.

KNIGHT DE LUXE 10 SPEAKER SYSTEM

A typical Knight Institutional Sound System is illustrated at the left. It is available in basic form for sound distribution to 10 rooms. (Additional channels and speakers may be added.) The complete system includes: All-Wave radio tuner; dual-speed phonograph; program selector panel; ten speaker control panel; high quality 18 watt high-gain amplifier; monitor speaker—all built into a massive cabinet of selected wood, hand-rubbed in a splendid walnut finish. An Astatic Dual-diaphragm Crystal Microphone with banquet stand and 25 foot cable is included together with 10—Jensen Permanent Magnet wall-type inclined-baffle room speakers. Supplied complete with tubes. For 110 volts, 60 cycles A.C. Less speaker cables.

A9924. Complete 10 Speaker System as described, **\$385.00**
YOUR PRICE.....

We are prepared to make complete recommendations and to supply suitable equipment at lowest prices to meet any institutional sound requirement, regardless of size. Please furnish complete specifications. No charge or obligation will be incurred for our consulting service.

LICENSED

WALL
TYPE
SPEAKER

Low Cost STANDARD SYSTEM

FOR SMALLER SCHOOLS AND INSTITUTIONS

A complete line of budget-minded sound systems developed particularly for smaller schools upon the recommendation of leading authorities on education by radio. Entirely practical in both design and application. Simple to operate. Extremely versatile; may be adapted to any school sound distribution problem. These Knight low-cost standard systems are ideal for individual or group class room addresses to supplement the regular educational program, and for school dramatic and athletic activities as well as for emergency alarms. These systems bring within the reach of even the smallest school the splendid educational radio broadcasts and transcriptions that are now available. Rugged economical design incorporates the use of an attractive black-crackled steel cabinet into which is incorporated various combinations of equipment to meet individual needs. Basic system consists of: high quality amplifier, speaker selector and distribution panel and monitor speaker, together with microphone, and required wall-type room speakers. Sectional design allows for future expansion and addition. Any radio tuner may be used externally or built in. External portable phonograph may also be used for reproduction of transcriptions.

STANDARD 10 ROOM SCHOOL SYSTEM

A typical Knight School Sound System is illustrated at the right. It is available in basic form for sound distribution to 10 rooms. (Additional speakers up to a total of 30 may be added. Other systems are available to handle up to 90 speakers.) Complete system includes: 1—Knight 20 Watt amplifier, 1—Speaker control panel for 10 speakers, monitor speaker—all built into attractive steel enclosed cabinet. With high quality carbon microphone and floor stand with 25 foot cable, and 10 special wall-type high quality magnetic speakers. Complete with tubes. Less speaker connecting cables. (Portable phonograph and radio receiver may be selected from this catalog.)

A9925
YOUR PRICE.....
Knight Standard School Systems are available for every requirement. We invite schools to write for helpful recommendations and attractive quotations to cover their special needs. Available to school officials on request without charge—a valuable and informative discussion on the part played by radio in education.

\$152.50

LICENSED



WALL
SPEAKER

PREAMPLIFIERS, RACKS & PANELS



KNIGHT A.C. PREAMPLIFIER

A new broadcast-station-quality A.C. operated pre-amplifier. Completely built into one compact steel case. Designed to amplify the output of crystal, velocity, dynamic or other low-level microphones to a point where they can be fed into mixing

circuits, telephone lines or any low-gain main amplifier. Input is arranged for 50, 200, or 500,000 ohms to match the output of any type of microphone. A volume control is incorporated for convenient operation. Output is to 200 ohm line. Uses 1—6C6 as S.G. Amp.; 1—6C6 as Triode-Amp.; uses 84 as rectifier. Amplifier components parts are carefully shielded and mounted on sponge-rubber brackets. Has a gain of 60 db. and a flat response from 30 to 12,000 cycles. Hum is negligible. Case size, $6\frac{1}{2} \times 8\frac{1}{2} \times 11\frac{1}{2}$ ". Shpg. wt., 35 lbs. For 110 volts, 60 cycles A.C.

Less tubes.

A9956. List, \$71.00.

YOUR PRICE

A9959. Kit of Raytheon Tubes.

\$42.50

.....\$1.78

KNIGHT 2 CHANNEL A.C.

PREAMPLIFIER

Designed to preamplify and mix 2 low-level high impedance microphones. Each microphone has a separate two stage channel with volume control. Especially adaptable for crystal or high impedance velocity microphones. Permits you to use these high quality low level microphones with your present low gain amplifier. Each channel uses 1—6C6 tube as S.G. Amplifier, and 1—6C6 as Triode Amplifier, with 84 rectifier.

Gain is 64 db.; hum is negligible. Output is 200 and 500 ohms. Has essentially flat frequency response from 40 to 10,000 cycles. Complete with tubes. For 110 Volts, 60 cycles.

Steel case size, $12 \times 6\frac{1}{2} \times 3\frac{1}{2}$ ".

A9957. List, \$47.50. YOUR PRICE

\$22.50

SPECIAL RACK AND PANEL EQUIPMENT

We can supply complete rack and panel equipment for every type of sound installation, including school multiple speaker systems, outdoor stadium and concert bowl systems, and multiple channel systems for hotels, factories, etc. Tell us plainly what you wish to accomplish and we will submit complete specifications and prices for your approval at no obligation to you. If possible, enclose rough sketch indicating size of area to be covered, or location and sizes of indoor rooms, halls, etc., to assist us in quoting for proper equipment.

RELAY RACKS

Designed for Transmitters or Public Address Systems. (A complete assembly is illustrated, incorporating Phonograph, Radio, Monitor, Mixing and Control panels, with 3 output channels.) Heavy wrought steel base is drilled for floor mounting. Black crystalline-finish. Accurately drilled for mounting screws every $1\frac{1}{4}$ inches. Steel crystalline-finished panels are available in sizes listed below.

FOR STANDARD 19 INCH PANELS

Heavy channel iron construction assures maximum rigidity and keeps all units in alignment. Standard size to accommodate 19 inch panels with holes spaced 18 $\frac{1}{2}$ inches. Shipped in knocked-down form. Easy to assemble. Nuts and bolts are furnished. Exceptionally sturdy construction for rigid permanent assembly. Will make professional appearing Transmitter and Public Address Installations.

40 INCH RACK

A9935. 40 Inches High. Rack only. Shpg. wt. 32 lbs.

YOUR

NET PRICE

\$825

72 INCH RACK

A9936. 72 Inches High. Rack only. Shpg. wt. 70 lbs.

YOUR

NET PRICE

\$1025

BLANK PANELS

Black crystalline finish. Fit standard relay racks.

A9972	1 $\frac{1}{2}$ "x19"	\$0.56
A9973	3 $\frac{1}{2}$ "x19"	.61
A9974	5 $\frac{1}{2}$ "x19"	.67
A9975	8"x19"	.70
A9976	8 $\frac{1}{2}$ "x19"	.95
A9977	10 $\frac{1}{2}$ "x19"	1.12
A9978	12 $\frac{1}{2}$ "x19"	1.32
A9979	14"x19"	1.56
A9980	15 $\frac{1}{2}$ "x19"	1.73

PHONOGRAPH PANEL

A9937. For mounting standard phonograph motor and pickup in relay rack. Black crystalline finish. Design as illustrated.

YOUR

PRICE

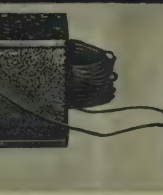
\$565



RACK MOUNTING BRACKETS

All Knight amplifiers can be adapted to standard relay rack mounting if desired. Special brackets are available separately or can be obtained with amplifier at slight additional cost. Brackets finished to match amplifier case. Write for prices.

Knight INTERCOMMUNICATION SOUND SYSTEM



DEPENDABLE INSTANT COMMUNICATION

Here is an entirely new Knight Intercommunication Sound System with distinct advantages. Permits instant automatic direct communication between two (or more) points with excellent volume and clarity. Essential to modern businesses, homes and institutions. Saves time and effort. May be used between offices or between rooms and floors in homes and offices; suitable for paging and calling in factories, schools and hospitals, or for conversation between store and stockroom, house and garage, etc. The complete standard system as illustrated consists of two compact station units ($7\frac{1}{2} \times 4\frac{1}{2} \times 5\frac{1}{2}$ "), a compact amplifier unit complete with tubes, and 50 feet of transmission cable with plugs at each end. Each station unit is made up of a high grade permanent magnet combination speaker-microphone housed in an attractive solid walnut cabinet with "Talk-Listen" push switch mounted on top. The amplifier unit uses 1—6C6, 1—6X4 and 1—25Z5 tubes and operates on 110 Volts, either A.C. or D.C. This unit may be installed in any convenient place. Installation can be made in a few minutes by simply plugging in. Easy to operate. You merely push the button to talk and release it to listen. No need to shout—just speak normally. Additional station units may be added as desired up to a total of four for "common talk" operation. This new Knight Intercom System is a remarkable value at our low price.

A9933. Complete Knight Intercom System including 2—Station Units, 1—Amplifier Unit with tubes, 50 feet of cable and all necessary plugs and instructions. List, \$32.50.

A9934. Additional Station Unit. List, \$12.00. NET EACH

\$7.06

We can supply intercommunication systems for any purpose, and with any number of stations, including group, selective, and super-selective call systems. Write to us, giving your complete specifications and we shall quote promptly.

\$19.11

IDEAL FOR:
OFFICES
HOMES
FACTORIES
STORES
HOSPITALS
SCHOOLS, ETC.

SPEAKERS • HORNS • UNITS • CASES

KNIGHT AUDITORIUM DYNAMIC SPEAKERS

Ruggedly built, powerful 12 inch Auditorium Dynamic Speakers designed to reproduce large audio power with absolute fidelity. Will easily handle 10 to 15 watts of power without distortion. Heavy pressed steel drenaught construction assures long life. Satin-black enamel finish. Has one piece pressed cone with new 3 point spider suspension. Heavy-duty well-made voice coil has large inside diameter of 1 1/4 inches. Large field coil dissipates from 10 to 15 watts safely. Maximum overall height is 12 1/2 inches. Depth 7 inches. Easy to mount on baffle board or in carrying case. Supplied in D.C. excited types of various field resistances or in an A.C. operated type using an 80 rectifier. Voice coil has 15 ohms impedance. All speakers are supplied less output transformers. Special Knight Universal Output Transformer tapped to match any power tube combination is listed below.

EXCELLENT QUALITY

The large, heavy-duty construction and excellent tone qualities of Knight Auditorium Dynamic make them ideal for use with all types of Public Address systems. All models have heavy fields and oversized housings giving higher field strength, enabling the speaker to handle large power without danger of overloading. Cone and voice coil are designed to give high quality wide range frequency response when operated at any audio level up to 15 watts.

A9460. 6 Volt Field. (4 Ohm.) Battery Excitation....

A9461. 1000 ohm Field.....

A9462. 2500 ohm Field.....

A9463. 4000 ohm Field.....

A11005. Knight Universal Output Transformer. NET... 95c

If ordered with speaker specify output tubes and how connected.

A9464. 12-Inch Auditorium Dynamic for 110 Volts, 60 Cycles, A.C.

Less 80 Tube. YOUR PRICE.....\$8.75

FOR ALL P. A. SYSTEMS

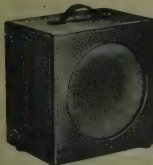
Knight Auditorium Dynamic Speakers are especially designed for heavy-duty use. They feature unusually fine response characteristics and display excellent sensitivity, delivering both voice and music brilliantly even from low power inputs. Heavy design and construction permit the use of these Knight speakers either indoors or outdoors. Use Knight Auditorium Dynamic Speakers for replacement purposes, for new P.A. Systems, for extra speaker installations, etc.

NET EACH \$5.95

**GIANT
12
INCH
TYPE**

NOTE: We can supply you with Knight Auditorium Dynamics equipped with any field you specify, and with special output transformer for Class "B" or Class "AB" operation. Write for prices.

KNIGHT PORTABLE SPEAKERS AUDITORIUM DYNAMICS



Powerful Knight 12 inch Auditorium Dynamic Speakers mounted in sturdy attractive leatherette-covered portable cases with removable covers. Ideal for demonstration or temporary installations, or for portable sound systems or mobile use. Case measures 13 1/4" x 13 1/4" x 17" Speakers have 16 ohm voice coil; less output transformer. (See KNIGHT Universal Output Transformer above.)

A10100. 6 VOLT FIELD..... NET, EACH

A10101. 1000 OHM.....

A10102. 2500 OHM.....

A10103. 4000 OHM.....

A10104. For 110 Volts, 60 Cycle, A.C. Self-excited; requires 80 tube rectifier tube. NET.....\$11.75

RACON UNITS-TRUMPETS-PROJECTORS

3 1/2 FT. TRUMPET

A ruggedly constructed, attractive one piece trumpet horn. Equipped with rolled metal beaded edge, metal ferrule, and suspension ring. Ideal for directional sound projection in large inside areas such as churches, ballrooms, auditoriums, etc. May be employed for temporary outdoor use. With 15, 16, 17, 18 inch threaded unit. Length, 3 1/2 ft.; bell dia., 22 inches.

A10110. List, \$22.00. YOUR PRICE.....\$12.94

A10111. List, \$44.00. NET.....\$25.87

A10112. Continuous operating capacity, 20 watts; peak 50 watts.

A10113. List, \$35.75. NET.....\$21.00

A10114. List, \$22.00. NET.....\$12.94

A10115. List, \$22.00. NET.....\$12.94

A10116. List, \$22.00. NET.....\$12.94

A10117. List, \$22.00. NET.....\$12.94

A10118. List, \$22.00. NET.....\$12.94

A10119. List, \$22.00. NET.....\$12.94

A10120. List, \$22.00. NET.....\$12.94

A10121. List, \$22.00. NET.....\$12.94

A10122. List, \$22.00. NET.....\$12.94

A10123. List, \$22.00. NET.....\$12.94

A10124. List, \$22.00. NET.....\$12.94

A10125. List, \$22.00. NET.....\$12.94

A10126. List, \$22.00. NET.....\$12.94

A10127. List, \$22.00. NET.....\$12.94

A10128. List, \$22.00. NET.....\$12.94

A10129. List, \$22.00. NET.....\$12.94

A10130. List, \$22.00. NET.....\$12.94

A10131. List, \$22.00. NET.....\$12.94

A10132. List, \$22.00. NET.....\$12.94

A10133. List, \$22.00. NET.....\$12.94

A10134. List, \$22.00. NET.....\$12.94

A10135. List, \$22.00. NET.....\$12.94

A10136. List, \$22.00. NET.....\$12.94

A10137. List, \$22.00. NET.....\$12.94

A10138. List, \$22.00. NET.....\$12.94

A10139. List, \$22.00. NET.....\$12.94

A10140. List, \$22.00. NET.....\$12.94

A10141. List, \$22.00. NET.....\$12.94

A10142. List, \$22.00. NET.....\$12.94

ARMORED PROJECTORS

An efficient dynamic speaker projector constructed of steel and aluminum. Designed for use with standard cone speakers. 15" size is for 16 and 8" cone speakers; 20" size is for 10" and 12" speakers.

A10117. Length 15" Bell Dia. 15". YOUR PRICE.....\$4.70

A10118. Length 20" Bell Dia. 17". YOUR PRICE.....5.88

Same as above, but with steel back; acoustically damped with 1 inch material.

A10119. Length 15" Bell Dia. 15". YOUR PRICE.....\$7.35

A10120. Length 20" Bell Dia. 17". YOUR PRICE.....8.82

A10121. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10122. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10123. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10124. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10125. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10126. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10127. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10128. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10129. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10130. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10131. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10132. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10133. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10134. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10135. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10136. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10137. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10138. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10139. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10140. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10141. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10142. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10143. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10144. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10145. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10146. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10147. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

A10148. Length 20" Bell Dia. 17". YOUR PRICE.....\$64.68

A10149. Length 15" Bell Dia. 15". YOUR PRICE.....\$52.92

NEW CINAUDAGRAPH Magic Magnet DYNAMIC SPEAKERS

Sets a new standard of fidelity and performance. Definitely surpasses in performance any electro-dynamic speaker of corresponding size. Response curve is flat from 100 to 7000 cycles; infinite baffle extends range from 30 to 10,000 cycles. "Woofer-Tweeter" speaker combinations are no longer necessary. Polybrous cone construction eliminates resonant peaks; new "Nipermag" alloy permanent magnet produces greater field flux density. Has non-resonant voice-coil wound on quartz-silicate form. New spider design results in real low frequency reproduction. Permanent magnetic field; no field excitation current is necessary.

8 INCH MODEL AZ8-7

A compact model embodying all of the sensational features listed above. Will give results far superior to any dynamic speaker of same size. Because it does not require external field excitation, this speaker is the ideal unit for use with auto and battery receivers. Voice coil impedance is 15 ohms at 400 C.P.S. Only 2 1/2 inches deep. Shpg. wt., 3 lbs.

A9281. YOUR PRICE.....\$7.03

A9282. YOUR PRICE.....\$7.03

A9283. YOUR PRICE.....\$7.03

A9284. YOUR PRICE.....\$7.03

A9285. YOUR PRICE.....\$7.03

A9286. YOUR PRICE.....\$7.03

A9287. YOUR PRICE.....\$7.03

A9288. YOUR PRICE.....\$7.03

A9289. YOUR PRICE.....\$7.03

A9290. YOUR PRICE.....\$7.03

A9291. YOUR PRICE.....\$7.03

A9292. YOUR PRICE.....\$7.03

A9293. YOUR PRICE.....\$7.03

A9294. YOUR PRICE.....\$7.03

A9295. YOUR PRICE.....\$7.03

A9296. YOUR PRICE.....\$7.03

A9297. YOUR PRICE.....\$7.03

A9298. YOUR PRICE.....\$7.03

A9299. YOUR PRICE.....\$7.03

A9300. YOUR PRICE.....\$7.03

A9301. YOUR PRICE.....\$7.03

A9302. YOUR PRICE.....\$7.03

A9303. YOUR PRICE.....\$7.03

A9304. YOUR PRICE.....\$7.03

A9305. YOUR PRICE.....\$7.03

A9306. YOUR PRICE.....\$7.03

A9307. YOUR PRICE.....\$7.03

A9308. YOUR PRICE.....\$7.03

A9309. YOUR PRICE.....\$7.03

A9310. YOUR PRICE.....\$7.03

A9311. YOUR PRICE.....\$7.03

A9312. YOUR PRICE.....\$7.03

A9313. YOUR PRICE.....\$7.03

A9314. YOUR PRICE.....\$7.03



New type "B" dynamic units for sound projection. Sturdy; efficient.

A10112. Continuous operating capacity, 20 watts; peak 50 watts.

A10113. List, \$35.75. NET.....\$21.00

A10114. List, \$22.00. NET.....\$12.94

A10115. List, \$22.00. NET.....\$12.94

A10116. List, \$22.00. NET.....\$12.94

A10117. List, \$22.00. NET.....\$12.94

A10118. List, \$22.00. NET.....\$12.94

A10119. List, \$22.00. NET.....\$12.94

A10120. List, \$22.00. NET.....\$12.94

A10121. List, \$22.00. NET.....\$12.94

A10122. List, \$22.00. NET.....\$12.94

A10123. List, \$22.00. NET.....\$12.94

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A10126. List, \$22.00. NET.....\$12.94

A10127. List, \$22.00. NET.....\$12.94

A10128. List, \$22.00. NET.....\$12.94

A10129. List, \$22.00. NET.....\$12.94

A10130. List, \$22.00. NET.....\$12.94

A10131. List, \$22.00. NET.....\$12.94

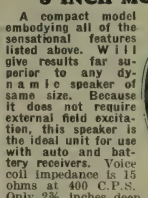
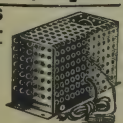
FIELD SUPPLIES

Exceptionally well-designed and thoroughly filtered power supplies. Ideal for the above speakers. One Unit Supply gives 110 Volts D.C. at 165 M.A. from 110 Volt A.C.; others increase current proportionally. Includes tube.

A10125. 2 Unit supply. NET... 8.82

A10126. 2 Unit supply. NET... 14.70

A10127. 4 Unit supply. NET... 20.58



A9281. YOUR PRICE.....\$7.03

A9282. YOUR PRICE.....\$7.03

A9283. YOUR PRICE.....\$7.03

A9284. YOUR PRICE.....\$7.03

A9285. YOUR PRICE.....\$7.03

A9286. YOUR PRICE.....\$7.03

A9287. YOUR PRICE.....\$7.03

A9288. YOUR PRICE.....\$7.03

A9289. YOUR PRICE.....\$7.03

A9290. YOUR PRICE.....\$7.03

A9291. YOUR PRICE.....\$7.03

A9292. YOUR PRICE.....\$7.03

A9293. YOUR PRICE.....\$7.03

A9294. YOUR PRICE.....\$7.03

A9295. YOUR PRICE.....\$7.03

A9296. YOUR PRICE.....\$7.03

A9297. YOUR PRICE.....\$7.03

A9298. YOUR PRICE.....\$7.03

A9299. YOUR PRICE.....\$7.03

A9300. YOUR PRICE.....\$7.03

A9301. YOUR PRICE.....\$7.03

A9302. YOUR PRICE.....\$7.03

A9303. YOUR PRICE.....\$7.03

A9304. YOUR PRICE.....\$7.03

A9305. YOUR PRICE.....\$7.03

A9306. YOUR PRICE.....\$7.03

A9307. YOUR PRICE.....\$7.03

A9308. YOUR PRICE.....\$7.03

A9309. YOUR PRICE.....\$7.03

A9310. YOUR PRICE.....\$7.03

A9311. YOUR PRICE.....\$7.03

A9312. YOUR PRICE.....\$7.03

A9313. YOUR PRICE.....\$7.03

A9314. YOUR PRICE.....\$7.03

A9281. YOUR PRICE.....\$7.03

A9282. YOUR PRICE.....\$7.03

A9283. YOUR PRICE.....\$7.03

A9284. YOUR PRICE.....\$7.03

A9285. YOUR PRICE.....\$7.03

A9286. YOUR PRICE.....\$7.03

A9287. YOUR PRICE.....\$7.03

A9288. YOUR PRICE.....\$7.03

A9289. YOUR PRICE.....\$7.03

A9290. YOUR PRICE.....\$7.03

WRIGHT-DeCOSTER JENSEN SPEAKERS

Model 2050



Your Price
\$10⁰⁴

Universal Replacement 12 INCH DYNAMIC

A radically new speaker embodying many advantageous features: new "Para - Curve" Diaphragm resulting in exceptional tonal response; Universal field coil; Universal output transformer; etc. An ideal speaker for all replacement or custom-building requirements which demand a high quality heavy-duty speaker. Universal field coil has resistances as follows: 2500, 2200, 1800, 1500, 1000, 700, 300 and 1800 ohms tapped at 300 ohms; may be used to replace any speaker with field resistance listed above. Overall diameter, 12 $\frac{3}{4}$ " ; depth, 7". Universal output transformer matches any single or push-pull output tubes.

A9319. Model 990.
YOUR PRICE.....**\$4⁸⁵**



SILVER PORT-A-HORN With Dynamic Speaker



MODEL 6000
Consists of a well-designed weatherproofed horn and a high quality dynamic speaker mounted in a handy metal portable carrying case. Easily demountable. Adaptable for outdoor or indoor use. Exceptionally fine fidelity. Provides 3 impedances—500, 1500, 4000 ohms—terminal strip is accessible from outside. Length, 39 $\frac{1}{2}$ " in.; unit housing 10 $\frac{1}{2}$ " x 7 $\frac{1}{2}$ " . Bell opening, 28" x 13 $\frac{1}{2}$ " . Wt., 15 lbs.

A9307. 2500 ohm field.
A9308. 4000 ohm field.
YOUR PRICE, EACH.....**\$29⁴⁰**

A.C. FIELD SUPPLIES

A9314. -Type 414. Well designed, sturdy built field supplies. Will deliver 9 watts to 2500 ohm field or 14 watts to 4000 ohm field. NET.....**\$2.05**

A9315. Type 514. Delivers 12 watts to 2500 ohm field. NET.....**\$2.52**

Both units require a 2525 rectifier tube.

WRIGHT-DeCOSTER SILVER HORN and SPEAKER

An inexpensive, highly efficient combination consisting of a correctly designed horn and a powerful dynamic speaker assembled as one unit. Ideal for auditoriums, sound trucks, etc. Has distinct directional characteristics; eliminates feedback and assures high quality reproduction with exceptional coverage. Will handle extremely large output without distortion. Horn is weather-proofed and sturdily reinforced; presents a very pleasing appearance. The heavy-duty dynamic speaker is available with field resistances as listed below. Has oversize pole piece, large field coil, and acoustically treated cone; will handle 6 watts continuously (15 watts peak). Voice coil impedance is 5 ohms; field dissipates 6 to 12 watts. Horn length overall, 27 $\frac{1}{4}$ " ; bell opening, 22 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ " . Supplied less output transformer. Shpg. wt., 15 lbs.

A9306. With 4000 ohm field.
A9305. With 2500 ohm field.
YOUR PRICE, EACH.....**\$10⁰⁴**

Also available, on special order, with any other field resistance desired, at no increase in price. State what field resistance you require, and send deposit with order.

A9316. Heavy - Duty Field Supply. Designed especially to supply field excitation for the above or a similar speaker. Measures 7 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ " . Complete with \$23 tube, for 10 V. A.M. operation. Shpg.**\$8.40**

"Full Range" Hi-Fidelity 12 INCH DYNAMIC

Model 1590
Newly designed quality dynamic speaker, with high fidelity "para-curve" diaphragms. This feature gives the speaker exceptionally fine tonal response characteristics. Excellent for all sound applications. Uses a large 2 $\frac{1}{2}$ " inch voice coil of 10 ohms impedance. Supplied with universal voice coil transformer to match all standard tubes. Will safely handle 11 watts of audio power. Large field coil will dissipate 12 to 18 watts.

A9309. 1000 ohm field.
A9310. 2500 ohm field.
A9311. 4000 ohm field.
YOUR PRICE, EACH.....**\$7⁷⁹**



JENSEN DYNAMIC SPEAKERS NEW PERMANENT MAGNET MODELS

An entirely new line of speakers of exceptional design and construction. The fidelity and power-handling capacity of these speakers is equal to any conventional electro-dynamic type; sensitivity and efficiency are extremely high. No field energy is required, due to the use of a newly developed heavily and permanently magnetized metal alloy. These speakers are ideal for modernizing battery receivers, as well as for general radio and public address work. All speakers supplied with voice coil impedance of 6 ohms at 400 cycles and output transformer. Specify output tubes used when ordering.

6-INCH MODEL PM6-C

Especially designed for use where extreme sensitivity and high quality reproduction are desired, as in centralized sound systems. Depth, only 3 $\frac{1}{2}$ " . Specify output tubes when ordering.

A9675. YOUR PRICE.....**\$5⁴⁴**

8-INCH MODEL PM8-C

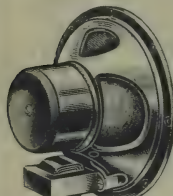
A popular size for use in console type radios, or for call systems, etc. Only 3 $\frac{1}{2}$ " inches deep. Specify output tubes.

A9676. YOUR PRICE.....**\$5⁷³**

10-INCH MODEL PM10-C

Particularly recommended for superlative performance in connection with receivers and small public address installations. Specify output tubes.

A9677. YOUR PRICE.....**\$7⁹⁴**



NEW WRIGHT-DECOSTER NOKOIL DYNAMIC SPEAKERS

NO FIELD COIL—NO FIELD DRAIN
A permanent magnet dynamic of radically new design. A tiny magnet of new type replaces bulky field coils and older type magnets. Capable of performance usually expected only from electro-dynamic speakers. Assures superb reproduction at a reasonable price. Small in size; requires less than normal amount of space and may be used for car radios, battery sets, hotel, school, and hospital central radio systems, and many other similar uses. With Universal output transformer to match all output tubes.

A9300. 6 $\frac{1}{2}$ " inch Dynamic.
List, \$5.82. YOUR PRICE.....**\$2.85**

A9301. 8 $\frac{1}{2}$ " inch Dynamic.
List, \$6.82. YOUR PRICE.....**\$3.34**



JENSEN DYNAMICS HIGH FIDELITY MODEL B12-X

A particularly high-quality, highly-efficient 12" dynamic of advanced design. Recommended for use wherever true high-fidelity performance is required. Especially suited to Public Address Systems. New curvilinear cone results in extended high-frequency range. Will handle 10 watts continuously. Equipped with hum-bucking coil and output transformer. Specify output tubes used when ordering. 8 ohm voice coil. Shpg. wt., 14 lbs.

A9668. 1250 OHM FIELD.
A9669. 2500 OHM FIELD.
List, \$16.50. NET EACH.....**\$9⁷⁰**



MODEL "R" DYNAMICS

Famous Jensen dynamic speakers in a new compact style. Features very rugged construction and unusually fine fidelity of reproduction. With built-in hum-bucking coil. Output transformer supplied; specify output tubes.

A9672. 5 INCH DYNAMIC.
3000 ohm field. List, \$3.85. NET.....**\$2.26**

A9673. MODEL E6R 6 INCH DYNAMIC.
2500 ohm field. List, \$5.25. NET.....**\$3.09**

A9674. MODEL D8-R 8 INCH DYNAMIC.
2500 ohm field. List, \$6.50. NET.....**\$3.82**



CRYSTAL MICROPHONES • STANDS

SHURE CRYSTAL MICROPHONES

A high grade line of new type crystal microphones. Noted for high quality sound reproduction. Extensively used for all types of P.A. work, rating exceptionally fine tonal quality. No mike current required.

74B "Spheroid"

A7698.
List, \$37.50.
NET

\$22.05

Radically new, absolutely non-directional wide-range crystal microphone of striking appearance. Specially shaped small diaphragm drives a new type "Grafoil" bimorph crystal unit. Sound reaches the diaphragm uniformly from any angle through 360°. Excellent frequency response is flat within 5 db. from 40 to 10,000 cycles. Output level, -85 db. Weighs only 1 1/4 oz. 2 1/2 inches diameter. Complete with locking plug and stand adapter having 3/27 thread.

75A "Spheroid"

Wide-range response is assured in this new non-directional crystal microphone. Acoustically streamlined, with curvi-linear diaphragm. Element is genuine Bimorph crystal. Fits any stand with 3/27 thread. Similar in appearance to Model 74B. Output -60 db. **\$18.82**
A7730. NET

Ultra Wide-Range Crystal Mikes

New Shure microphones providing reproduction from 40 to 10,000 cycles, with response fidelity that will amaze you. New type crystal mounting provides the highest output level consistent with good fidelity; single curvi-linear diaphragm is of high-efficiency, acoustically correct design. Diaphragm is protected even when case is opened, by internal screen. Crystal is moisture-sealed; scientifically designed acoustic network provides full barometric compensation. Available in 3 models. All have a standard 3/27 thread for stand mounting and are supplied with 7 ft. shielded rubber-covered cable.

A7717, 702A. Spherical semi-non-directional type, 2 1/4" overall diameter. Rubber-black finish with chromium trim. Shpg. wt., 1 lb.
A7715, 700A. Semi-directional type. Swivel arrangement for tilting. 2 1/2" diameter. Chromium-plated case. Shpg. wt., 2 lbs.
A7716, 701A. Grill type case; rubber black screen covers with chromium trim. 3 1/2" x 2 1/2" x 1 1/2". Shpg. wt., 1 lb.
List Each \$25.00. NET EACH **\$14.70**

SHURE MICROPHONE STANDS

A STAND FOR EVERY PURPOSE



554B
\$32C

MODEL S54B

An inexpensively-priced, high grade floor stand. Made in three sections, adjustable from 25 1/2 to 82 1/2 inches. Automatic friction lock holds sections firmly when extended. Modernistic base is 10 1/2" in diameter. Tubing is finished in attractive rubber-black with chromium trim; base is finished in black "wrinkle" enamel. Top of stem is threaded 3/27 to accommodate all crystal and velocity microphones. Unusually well-suited for use with portable P.A. systems because of its small size when extensions are lowered. Wt., 8 1/2 lbs. **\$5.88**
A7739. List, \$10.00.
YOUR PRICE

MODEL S56A

Highest quality, attractive floor stand. Height is adjustable from 43 to 68 inches. Extension section is gripped firmly by the exclusive Shure Automatic Friction Clutch. Lock tension is adjusted by rotating chromium collar at top of barrel. The professional appearance of the black Japan rubber finish blends into any setting. Round 10 1/2" base. Stem has standard 3/27 thread for all crystal and velocity mikes. Weight 12 1/2 lbs. **\$7.94**
A7735. List, \$13.50.
NET

ASTATIC CRYSTAL MICROPHONES

Newly developed, exceptionally well-built crystal microphones. Feature excellent frequency response characteristics and relatively high output level. Ideal for all high quality public address work.

MODEL D-104

A2190.
List, \$22.50.
YOUR PRICE, **\$13.23**



A new improved crystal microphone of rugged construction. Uses a Piezo Crystal element. Practically indestructible. Responds equally well in any position. No hiss or background noise. Has excellent frequency response essentially flat from about 40 to 10,000 cycles; output level -65 db. High impedance; may be connected directly to any grid. No field or button current required. Can be coupled directly into grid of amplifier input, or capacity-coupled by means of conventional condenser and grid load resistor. Housed in an attractive chromium case, 1 in. diameter; 1 in. thick. Supplied with 8 ft. rubber covered shielded cable and handy mounting hooks. Threaded for 3/27 stands.

D-2 WATCH CASE MODEL

A2192.
List, \$25.00.
NET, **\$14.70**



A small, light crystal microphone of exceptionally good frequency response characteristics. Uses a newly perfected Grafoil Bimorph Crystal and new dual diaphragm design. Non-directional; feedback tendency is reduced to a minimum. Remarkable frequency response is flat from 20 to 5500, with rising characteristics to 10,000 cycles. Output level -61 db. Very attractively finished in beautiful chromium. Sturdy, rugged construction. Case is extremely compact; only 2 1/2 inches in diameter, 3/4 inch thick. Threaded for use with 3/27 stands. Shpg. wt., 2 lbs.

A2193. D-2 Microphone as above, but with 25 ft. cord. NET **\$15.76**

LAPEL CRYSTAL MICROPHONE

A new dual-diaphragm, lapel type, crystal microphones. Bronze case is finished in dull black; only 1 1/2" in diameter, 1/2" thick. Microphone weighs only one ounce, exclusive of cable, and is fitted with spring clip. Output -68 db. with a frequency response flat from 30 to 6000 cycles. Non-directional; with greatly reduced feedback tendency. Element is genuine Grafoil Bimorph crystal. Supplied with 25 ft. shielded, rubber-covered cable. **\$14.70**
A2188. List, \$25.00. YOUR PRICE

D-2-H HAND MICROPHONE

A utility hand microphone built around the D-2 Watch Case model listed at top right of page. Has handsome rugged metal handle, finished in bright chromium. Utilizes dual-diaphragm principle, with the newly perfected Grafoil-Bimorph crystal unit, providing excellent response from 50 to 6500 cycles. Ideal for portable transmitters, mobile sound systems, etc. With 6 ft. shielded rubber-covered cable. **\$16.17**
A2183. YOUR PRICE
A2184. MODEL D-2-HS.
Same as above but with switch. NET **\$16.46**

BRUSH BR2S SOUND CELL CRYSTAL MICROPHONE

A high-quality, low-priced spherical microphone of compact, light-weight design. The special generating element consists of two distinct piezo-electric sound cells connected in a balanced series circuit. Has excellent frequency response, with output of -66 db. Ideal for P.A., broadcast, police, amateur and commercial use. Only 2 1/2" in diameter. Finished in beautiful dull chromium plate. Furnished with locking type plug and socket connector, and suspension stand mounting. **\$27.93**
A2187. YOUR PRICE

UNIVERSAL MICROPHONES

MODEL "XX" TWO BUTTON

A7550.
List, \$10.00.
NET **\$5.88**



Develops truly faithful, natural tone. Has good frequency range. Equipped with Duralumin diaphragm, pure gold contacts. Ruggedly built. 200 ohms per button.

MODEL "X" Similar in design to above but of single button type. A high quality unit. **\$4.41**
NET

MODEL "BB"

Double button microphone with protected stretched diaphragm. Frequency range 50 to 5,000 cycles. 200 ohms per button. 3 inch diameter. **\$14.70**
A7552. NET

MODEL "W" LAPEL MICROPHONE

A7555.
List, \$3.00.
NET **\$1.76**



Very compact, sensitive lapel microphone. 200 ohm single button. Gold spot center diaphragm. Size, 1 1/4 x 3/4 inches.

2 BUTTON HAND MICROPHONE

Equipped with "on-off" switch in handle. Excellent for portable work. Sound Trucks, etc. Standard two button type. Output, -55 db. With 6 ft. cable. **\$8.82**
A7299. List, \$15.00.
NET

MODEL S32C

A new modernistic desk stand. Adjustable from 7" to 11". With automatic friction lock. Black Japan finish; chrome base trim. Stem threaded 3/27. Wt., 3 1/4 lbs. **\$3.82**
A7733. List, \$6.50.
NET

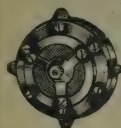
MODEL S41A

A high quality 10" banquet stand. Stand and base are finished in polished nickel plate. Base is 4 1/2" diameter with side opening for cord. 3/27 threaded stem. 1 1/2 lbs. **\$2.06**
A7740. List, \$3.50. NET

VELOCITY CARBON MICROPHONES • *Stands*

KNIGHT MICROPHONES

SPECIAL VALUE



**TWO
BUTTON**

A7562.
\$2.95

A rugged, well-constructed microphone at a surprisingly low price. Frequency range is from 40 to 3500 cycles resulting in natural tonal reproduction of voice. Diaphragm is of selected Duralumin stretched at correct tension between the two halves of the heavy cast metal case. Standard 200 ohms per button.

SENSITIVE

**TWO
BUTTON**

A7643.
\$4.35

Outstanding in value. This is one of the finest low-priced double button microphones available. Has essentially flat frequency response from 45 to 7000 C.P.S. Impedance is 200 ohms per button. High quality stretched duralumin diaphragm with gold-spotted centers. Case is 3" in diam., 3/4" thick. Satin-nickel finish.

Knight Microphone Stands

Newly designed professional type microphone stands. Latest two-piece telescoping construction. Has sure-grip friction clutch which permits quick, easy adjustment of height from 47 1/2 to 78 inches. Ideal for all types of sound work, and especially for public address applications. The well-proportioned heavy cast base weighs 10 pounds and is modern in design. The microphone ring is of hexabar bar construction, 6 1/2 inches in diameter. Cord goes through the hollow stem and base. Shpg. wt. 17 lbs.

Standard Model

An unusual value in quality stands. Finished in handsome satin chrome or bronze. Built for continuous hard use. With 6 1/2" ring and 8 springs for microphone.

A9985. NET.....**\$4.30**

De Luxe Model

Similar to the Standard Model; stem is in beautiful satin chromium; base in black crystal. This is the most attractive microphone stand available today.

A9986. NET.....**\$5.25**



Stands Without Rings

Knight quality stands as above, but less microphone ring; threaded 1/2-27 to fit practically all Crystal and Velocity mikes, etc.

A9987. Standard. NET.....**\$3.70**

A9988. De Luxe. NET.....**\$4.65**

A9989. De Luxe. NET.....**\$4.65**

A9990. De Luxe. NET.....**\$4.65**

A9991. De Luxe. NET.....**\$4.65**

A9992. De Luxe. NET.....**\$4.65**

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MICROPHONES and ACCESSORIES

RCA Two Button Microphone



Genuine RCA quality 2 button microphone. Same as used in RCA Transmitters, P.A. and home-recording equipment, etc. Ideal for the amateur transmitter. Impedance is 200 ohms per button. Case is 6x3 1/2 x 2 inches and is hand-criminally finished in dark brown crackle. With flexible cord.

A7614.
YOUR PRICE
\$4.41

WEBSTER 1201



Excellent 2 button carbon microphone. Frequency range 45 to 7,000 C.P.S. Gold-spotted stretched diaphragm. Suitable wherever a high-quality 2-button mike is desired. Impedance is 200 ohms per button. Satisfactory nickel with handsome protective grille. Heavy white brass cast frame, 3 in. diam., 1/2 in. thick.

A7564.
NET
\$7.06

MICROPHONE ACCESSORIES



Coupling Transformer
A6050. SINGLE BUTTON TYPE. Has primary for standard 200 ohm single button microphone; secondary for coupling to tube grid. Completely shielded.
A6051. TWO BUTTON TYPE. For all two button type microphones. Primary impedance, 200-200 ohms; secondary to tube grid. Turn ratio, 1 to 45.
NET EACH
\$1.15



CONNECTOR
Ideal for quick, sure connection of microphones to any sound equipment. Polished chrome-finished heavy brass shells, fitted with sturdy plugs and receptacles. Male and female threads are 3/8" x 27.

CABLE TYPE PLUGS
A1965. 3 PRONG. NET..... 59c
A1966. 4 PRONG. NET..... 65c

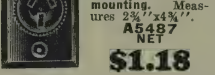
MIKE RECEPTACLES



Wall-type polarized receptacles for use with A7579 plug (shown at right bottom). Ideal for permanent sound installations in Schools, Theatres, Auditoriums, etc. Two types are available: One is a small receptacle only; the other is a receptacle with 4" round cover for standard conduit junction boxes.

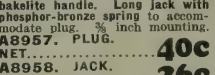
A5485. Receptacle only. NET..... 78c
A5486. With 4 inch Cover. NET.... \$1.15

MIKE RECEPTACLE AND PLATE



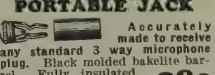
A polarized microphone receptacle mounted on a bakelite single-gang plate for flush wall mounting. Measures 2 3/4" x 4 1/4".
A5487. NET
\$1.18

3 Way Microphone Plug and Jacks



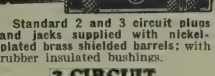
High grade 3 circuit plug with bakelite handle. Long jack with phosphor-bronze spring to accommodate plug. 3/4 inch mounting.
A8957. PLUG. NET..... 40c
A8958. JACK. NET..... 26c

MIDGET JACK



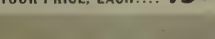
Three contact jack for standard microphone plugs. Well-made.
A1605. NET. 26c

PORTABLE JACK



Accurately made to receive any standard 3 way microphone plug. Black molded bakelite barrel. Fully insulated.
A5665. NET..... 38c

SHIELDED PLUGS AND JACKS



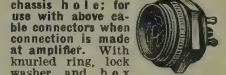
Standard 2 and 3 circuit plugs and jacks supplied with nickel-plated brass shielded barrels; with rubber insulated bushings.
2 CIRCUIT
A5666. PLUG. NET..... 59c
A5667. JACK. NET..... 59c
3 CIRCUIT
A5668. PLUG. NET..... 73c
A5669. JACK. NET..... 73c

STAND TYPE

For use with cable types above; has 3/8" x 27 female thread for mounting on microphone stand.

A1969. 3 CONTACT. NET..... 59c
A1970. 4 CONTACT. NET..... 65c

CHASSIS TYPE



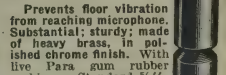
Mounts in 1 1/2" chassis hole; for use with above cable connectors when connection is made at amplifier. With knurled ring, lock washer and hex locking nut.
A1971. 3 CONTACT RECEPTACLE. NET..... 29c
A1972. 4 PRONG PLUG. NET..... 32c
A1973. 4 CONTACT RECEPTACLE. NET EACH..... 32c

CONNECTOR CHAIN AND CAP



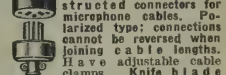
Fits cable and chassis type connectors above; protects plugs and receptacles from dirt and tampering.
A1974. NET..... 29c

Microphone Shock Absorber



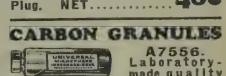
Prevents floor vibration from reaching microphone. Substantial; sturdy; made of heavy brass, in polished chrome finish. With live Para gum rubber cushions. Standard 3/8" x 27 threads, male and female.
A1975. NET..... 59c

ARMORED MIKE CONNECTORS



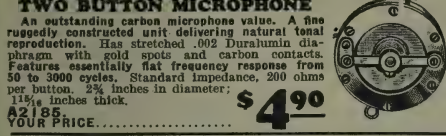
Heavy, sturdily constructed connectors for microphone cables. Polarized type; connections cannot be reversed when joining cable lengths. Have adjustable cable clamps. Knife blade type contacts make positive connection and will handle up to 4 Amps. 250 volts. The most rugged and efficient microphone connectors made.
A5787. 3 Prong Socket. NET..... 64c
A5789. 3 Prong Plug. NET..... 48c

CARBON GRANULES



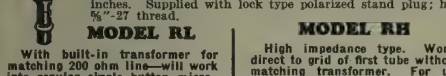
Laboratory made quality carbon granules, No. 100 size. Sufficient to re-carbon two double-button microphones.
A7566. YOUR PRICE..... 55c

AMERICAN MODEL "EL" TWO BUTTON MICROPHONE



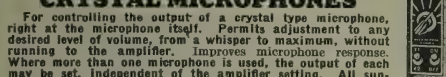
An outstanding carbon microphone value. A fine ruggedly constructed unit delivering natural tone reproduction. Has stretched .002 Duralumin diaphragm with gold spots and carbon contacts. Features essentially flat frequency response from 50 to 3000 cycles. Standard impedance, 200 ohms per button. 2 3/4 inches in diameter; 1 1/8 inches thick.
A2185. YOUR PRICE..... \$4.90

NEW UNIVERSAL VELOCITY MICROPHONES



A new line of velocity microphones combining superior performance with striking appearance; ideal for use on stage or in the studio. Frequency response is flat from 40 to 10,000 C.P.S. Output, -63 db. Finished in black enamel and chrome plate. Measures only 2 3/8 x 1 1/4 inches. Supplied with lock type polarized stand plug; has 3/8" x 27 thread.
MODEL RL
With built-in transformer for matching 200 ohm line—will work into regular single button microphone channel. Shpg. wt., 4 lbs.
A7568. List, \$24.25. YOUR PRICE..... \$14.26

VOLUME CONTROLS FOR CRYSTAL MICROPHONES



For controlling the output of a crystal type microphone, right at the microphone itself. Permits adjustment to any desired level of volume, from a whisper to maximum, without running to the amplifier. Improves microphone response. Where more than one microphone is used, the output of each may be set, independent of the amplifier settings. All supplied with 3/8" x 27 ferrules and studs.
MODEL 20D
Capacitor step control with 14 steps, 3 db. attenuation per step, providing 42 db. range in 180°. Free from great jumps in volume. Measures 4 1/2 x 2 1/2 inches; black crackle finish with etched escutcheon plate.
A7566. List, \$10.00. YOUR PRICE..... \$5.88

MODEL 20C

Has 7 steps, allowing seven different degrees of volume. Attaches directly to stand. Finish and dimensions same as Model 20D.
A7566. List, \$7.50. YOUR PRICE..... \$4.41

SHURE STAND SWITCH



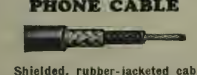
A new, handy stand-mounting switch for use with any microphone, in substantial aluminum case, with rubber-black finish. Measures only 2 1/2" high. With 3/8" x 27 thread.
A7695. List, \$2.50. YOUR PRICE..... \$1.47

WEATHERPROOF MICROPHONE CABLE



Heavy rubber jacket over tinned copper shielding. Ideal for outdoor and heavy duty service.
NET
No. Cond. Per Ft. 100 Ft.
A3514 2 3c \$2.45
A3516 3 4c 3.75

CRYSTAL MICROPHONE CABLE



Shielded, rubber-jacketed cable. Conductor is of fine stranded copper; extremely flexible. Available in single or double conductor.
SINGLE CONDUCTOR
A2499. 100 Ft. \$3.10 PER FOOT..... 32c
DOUBLE CONDUCTOR
A2498. 100 Ft. \$5.60 PER FOOT..... 6c

Microphone Springs



High grade tempered spring steel. Loop ends. Heavy cadmium-plated finish to prevent rusting.
A7567. NET, SET OF 8..... 15c

PHONO PICK UPS • RECORDS • CHANGERS

KNIGHT HIGH IMPEDANCE PICKUP

An outstanding value in high quality phonograph pickups. Has exceptionally fine frequency response characteristics and high output. Will reproduce with high fidelity all standard phonograph records. Needle scratch is reduced to an absolute minimum. This is an ideal pickup for use in sound systems, phonograph combinations, and for modernizing older type phonographs. Simple to mount. Accurately balanced for correct needle pressure. Has unusually attractive finish.

Clear Brilliant
Reproduction
at Low Cost



EXCELLENT QUALITY

A Hi-Fidelity magnetic type pickup of highest standards. Uses high percentage cobalt magnet for superior performance. Features extremely flat frequency response over a wide range. Reproduction is brilliant and clear. Excellent for all phonograph requirements. For use with 50,000 ohm volume control for uniform response. With 10,000 ohm control, bass will be accentuated. High impedance type, high level of output. Ruggedly built, yet extremely light in weight. Length overall 8 1/4 in. Supplied with 18" connecting cord.

A2295. KNIGHT HIGH IMPEDANCE PICKUP. NET... **\$3.85**

RCA-VICTOR-COLUMBIA BRUNSWICK Double-Faced RECORD ASSORTMENTS

Famous brands American record assortments at real savings. Unexcelled for dealer demonstrations and public address use. Packed 25 assorted records to the carton. Includes recordings by famous American artists; mostly dance orchestra and band music. Because these assortments reach us already posted, we cannot determine what titles are in each assortment; all recordings are, however, by famous artists, dance orchestras and bands. Shipping weight, 13 lbs.

A9999. CARTON OF 25 ASSORTED. **\$2.25**
YOUR SPECIAL PRICE.....

FOREIGN RECORDS

Popular selections of foreign language recordings. 25 assorted to the carton.

A9998. Spanish. NET
A9992. Polish. PER ASSORTMENT
A9993. Swedish. OF 25 RECORDS
A9994. German. **\$3.50**
A9995. Bohemian.
A9996. Italian.
A9997. French.

GENUINE RCA-VICTOR PHONOGRAPH NEEDLES

A7613. Soft Tone. 100 to pike.
A7608. Half Tone. 75 to pike.
A7606. Full Tone. 100 to pike.
A7607. Loud Tone. 100 to pike.
Per Pkg. 1 Oc. 10 Pks. for. **75c**

A7608. Chromium. 78 RPM. 6 to pike.
A7609. Chromium. 33 1/2 RPM. **25c**
6 to pike. PER PKGE.

A7610. Tungstone. Full Tone. 8 to pike.
A7611. Tungstone. Loud Tone. 8 to pike.
YOUR PRICE PER PKGE. **25c**

PERMO POINT NEEDLE

A7620. Plays over 2000 records. Fits record groove perfectly. Prolongs record life. **50c**
EACH. 60c. In Lots of 5, EACH...



NEEDLE CUP

Attractive, well-made needle cup. Will fit any 1 1/2 inch round opening.

A7601. **5c**
NET

NEW WEBSTER MAGNETIC PICKUPS HIGH FIDELITY

Plays Both
78 and 33 1/2
R.P.M.
Records
100-7000
C.P.S.



MODEL 30-A1

An improved wide range pickup. Reproduces extended frequencies for faithful response. Will clearly and brilliantly play all records up to 12 inches in size. Perfectly balanced for high fidelity reproduction.

STANDARD IMPEDANCE

The 30-A2 Standard model has an impedance of 9,100 ohms, and delivers .5 volt output. Replaces any standard high impedance pickup. Golden-bronze finish.

A2290. Without volume control. List, \$5.25. **\$5.44**
YOUR PRICE.....
A2291. With volume control. List, \$10.25. **\$6.03**
YOUR PRICE.....

HIGH IMPEDANCE MODEL

The new 31-A4 model has an impedance of 36,500 ohms, and an output of 1 volt. May be used with low-gain audio amplifiers. Size and appearance same as Model 30-A2.

A2292. Without volume control. List, \$16.25. **\$6.03**
YOUR PRICE.....
A2293. With volume control. List, \$11.25. **\$6.61**
YOUR PRICE.....

PACKARD AUTOMATIC RECORD CHANGERS

A completely dependable Automatic Record Changer: two speed type; will play either 78 or 33 1/2 R.P.M. records. Last record will repeat until mechanism is turned off. May be set to repeat or reject any record or well. Motor is governor-controlled. Induction type. Operates without noise. Available with either high impedance magnetic pickup or with crystal pickup, either type assuring the very best fidelity reproduction. For 110 Volts, 60 cycles A.C. operation.

MODEL K

Mechanism only, less case. Will play eight 10" records automatically on one side; 12" records may be played manually. Requires mounting space 12" long, 5 1/2" high and 12" wide. Extremely simple to mount. For 110 Volts, 60 cycles operation. Shpg. wt., 26 lbs.

A10085. With Magnetic Pickup. **\$27.81**
A10086. With Crystal Pickup. **\$27.81**
List, \$45.00. EACH.....

IN PORTABLE CARRYING CASES

The Packard Record Changer mechanisms, as listed above, are also available in attractive black leatherette-covered carrying cases, of sturdy, durable design and construction. Ideal for use with portable public address systems, or for demonstration purposes. Available with either high impedance magnetic pickup or with crystal pickup.

MODEL L

A10090. With Magnetic Pickup. **\$32.25**
A10091. With Crystal Pickup. **\$32.25**
EACH.....

MODEL L

Mechanism only, less case. Size 14" wide x 15" long x 3 1/2" high. Will play eight 10" records or seven 12" records automatically. Highly dependable in operation; will give excellent tonal response. Shpg. wt., 26 lbs.

A10087. With Magnetic Pickup. **\$32.25**
A10088. With Crystal Pickup. **\$32.25**
List, \$52.00. EACH.....

MODEL L

A10092. With Magnetic Pickup. **\$37.20**
A10093. With Crystal Pickup. **\$37.20**
EACH.....

NEW WEBSTER CRYSTAL PICKUPS

A new crystal pickup of greatly advanced design. Has exceptionally fine response characteristics and unusual freedom from needle noise. Sturdy a r m is very light in weight.

STANDARD MODEL

An excellent crystal pickup featuring new principles of design and construction. Has wide frequency response characteristics, 40 to 8,000 C.P.S., and will play brilliantly all 33 1/2 and 78 R.P.M. records. Voltage output, 1.5 volts. Impedance, 180,000 ohms at 1000 cycles.

A2296. Less volume control. **\$6.47**
List, \$11.00. NET.....
A2297. With volume control. **\$7.06**
List, \$12.00. YOUR PRICE.....

HIGH FIDELITY MODEL

Similar to the standard model described above, but with even more remarkable response characteristics. Flat within 2 db. from 40 to 5000 cycles, with a constantly rising output from 5000 to 8000 cycles.

A2298. Less volume control. **\$7.50**
List, \$12.75. YOUR PRICE.....
A2299. With volume control. **\$8.08**
List, \$13.75. NET.....

ASTATIC PIEZO- CRYSTAL PICKUPS



The finest pickup available today. Has a brilliance of reproduction not found in any other type. Frequency response is flat. Always in adjustment. Needle pressure is only two ounces. Impedance 80,000 ohms; connects direct to grid or through transformer to line.

A7693. 8" arm for 10" or 12" records. **\$7.06**
List, \$12.00. YOUR NET PRICE.....
A7694. 12" arm for 10" or 16" records. **\$8.82**
List, \$15.00. YOUR NET PRICE.....

DEAGAN MUSICAL STATION CHIMES

A new four bar chime which produces four perfectly pitched notes. Creates delightful mellow tones at any random tapping. Ideal for home use, and for amusements, and broadcast stations. Chromium-plated screws and black tubes.

FREE BOOK OF MUSIC
Supplied complete with tapping mallet, and FREE book of 80 calls and musical selections.

A7330. Model 201. **\$4.50**
List, \$6.00. YOUR PRICE.....

PHONO MOTORS RECORD PLAYERS • PICK UPS

SPECIAL VALUE PHONO MOTOR



78 R.P.M.

A brand-new self-starting synchronous type single speed phono motor. Designed along advanced principles. Absolutely dependable; quiet in operation. Maintains constant speed regardless of line voltage variations. Has 12 inch felt-covered turntable. Mounts easily with three screws. Shpg. wt., 5 lbs. A9952. YOUR PRICE ONLY.....

\$5.85

FAMOUS GREEN FLYER PHONO MOTORS



Single Speed - 78 R. P. M.

A high quality phonograph motor for 78 R. P. M. records. Heavy-duty governor-controlled induction type motor. Operates quietly at constant speed. Equipped with 10 inch turntable and speed control lever. For operation on 110 Volts, 60-80 cycles A.C. Mounting, 6 1/4 x 4 1/4". Complete with mounting hardware. A10070. List, \$13.00. YOUR PRICE.....

\$7.35

2 Speed: 33 1/3 - 78 R. P. M.

Heavy-duty type as above. Plays both 33 1/3 and standard 78 R. P. M. records. Lever shifts speed instantly. 10" turntable. Mounts in 8 1/2 x 5 1/2" cutout. Mfg. center, 3 1/4 x 6 1/4. 110 Volts, 60 cycles. A10071. List, \$16.00. NET.....

\$9.41

A10072. Same as above, but with 12" turntable. List, \$16.50. NET.....

\$9.70

UNIVERSAL 110 V. A.C.-D.C.

Single speed 78 R. P. M. type. Has A.C. to D.C. changer switch. With 12" turntable. A10073. YOUR PRICE.....

\$11.47

6 VOLTS D. C.

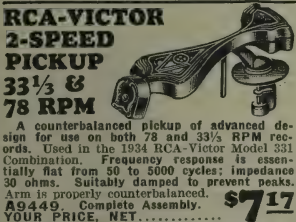
Two-speed type. Operates from 6 volt storage battery at 2.8 amps. Has 12 inch turntable. A10074. List, \$24.00. NET.....

\$14.10

Weighted 12" Turntable

A special heavy turntable for 33 1/3 R. P. M. records may be had with the above motors; add \$1.03 to above prices.

RCA-VICTOR 2-SPEED PICKUP 33 1/3 & 78 RPM



A counterbalanced pickup of advanced design for use on both 78 and 33 1/3 RPM records. Used in the RCA-Victor Model 331 Combination. Frequency response is essentially flat from 50 to 5000 cycles; impedance 30 ohms. Suitably damped to prevent peaks. Arm is properly counterbalanced. A9449. Complete Assembly. YOUR PRICE, NET.....

\$7.17

RCA-VICTOR PICKUP HEADS



Genuine RCA-Victor replacement heads. A9496. RCA 9676. For RE 45 and RE 75. Impedance 400 ohms. A9495. RCA 9686. For Model 331. Impedance 30 ohms. YOUR PRICE.....

\$3.30

\$3.30

A7326. New Pickup Transformer. 30 ohms to grid. A well-made unit. YOUR PRICE.....

\$2.20

RCA-VICTOR RECORD PLAYER

An ingenious and inexpensive little instrument built by RCA-Victor. Makes an ideal record player for use in adapting radio sets to fine phonograph performance. May be used in conjunction with the RCA RK24 Phonograph Oscillator, or may be directly connected to the radio receiver. In sets with low audio gain the Oscillator must be used. The ready portability of the RCA Record Player also adapts it for effective use with portable AC operated sound equipment.

PORTABLE-ELECTRIC OPERATION

The RCA Record Player consists of an electrically driven, constant speed turntable capable of playing either ten- or twelve-inch records, and a modern electrical pickup. Motor operates on 110 volt 60 cycle current. A volume control extends out of one end of the case.

CAN BE USED WITH ANY RADIO RECEIVER

Sell extra entertainment profitably by means of the RCA-Victor Phonograph Record Player. Easily connected to any radio receiver. Housed in an attractive walnut finished chest, only 10 1/2 x 5 x 5 inches.



MODEL R-93
A9499. NET EACH.....

\$10.72

PHONO MOTOR AND PICKUP ASSEMBLY



An exceptionally compact motor and pickup of excellent design, same as used in the RCA-Victor Model 300 Radio-Phonograph Combination. May be used with any amplifier radio set where space is limited. Synchronous motor is only 7" in diameter, 2 1/2" deep. Manual starting. Operates constantly at 78 R. P. M. for standard record reproduction. For 105-125 volt 60 cycle operation. The pickup is only 6 1/2" long, but its performance equals a standard unit. Has excellent frequency response curve. Impedance is 2500 ohms. A9447. MID SET MOTOR. Part No. 9038. For 105-125 volt 60 cycle operation. List, \$8.00. NET.....

\$4.80

MOTOR MOUNTING ASSEMBLY

Consists of all necessary hardware and rubber bushings for mounting the RCA motor described above. A9446. List, \$1.68. NET.....

\$1.00

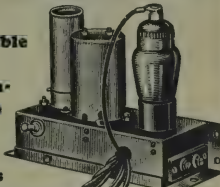
A9448. MIDGET PICKUP. Part No. 6592. 6 1/2" long; 2500 ohms impedance. List, \$5.00. NET.....

\$3.00



RCA RK 24 PHONOGRAPH OSCILLATOR

Sell Profitable
Phono
Installations to
Radio
Set
Owners



Designed by RCA-Victor to insure good phonograph reproduction when used with practically any receiver. Sell extra entertainment profitably by installing the RK24 Phonograph Oscillator. May be connected in a few minutes. Requires no changes in the receiver wiring. Sells itself to your prospects upon demonstration by "tuning in" phonograph reproduction just like a radio station.

SIMPLIFIED INSTALLATION

Leads are arranged to slip under receiver tube prongs. While the RK24 Oscillator is designed especially for use with the RCA-Victor Record Player, any electrical pickup may be used. Acts as a miniature transmitting station modulated by the phonograph pickup. Has a tuning range of 1400 to 1700 K.C. Requires the use of a 6A7 tube with sets using 2.5 Volt tubes. Furnished less tube; with directions. Easy to install; dependable in operation. A9497. List, \$7.75. YOUR PRICE.....

\$4.65

ELECTRIC PORTABLE PHONOGRAPHS

Essential equipment for sound systems. May also be used with any radio set or amplifier having a high impedance phono input circuit. Consists of a sturdy portable case, with a dependable self-starting motor and a high impedance magnetic type pickup. Entire unit is light in weight; compactly built for easy portability. Cases are ruggedly constructed, with leather carrying handles securely riveted on top; cannot loosen or pull off. Ideal for all high-grade phono requirements.

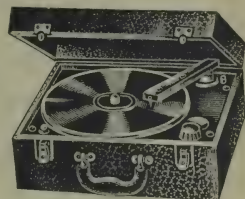
HIGH IMPEDANCE PICKUP

The pickup used in these phonographs is of high impedance type, correctly balanced for minimum record wear; assures wide range frequency response for brilliant, lifelike reproduction. Cord is equipped with phone tip ends. Self-starting silent electric motors maintain constant, unvarying speed and are absolutely dependable in operation. Equipped with smooth, noiseless, built-in volume control. Includes approved 6 foot cord and plug. For operation on 110 Volts, 50-60 cycles.

SINGLE SPEED MODEL

In leatherette covered case; measures 15 1/2 x 13 1/4 x 4 1/2 inches open, 15 1/2 x 13 1/4 x 7 inches closed. Incorporates a high grade single speed 78 R. P. M. motor which operates from 110 volts 60 cycles A.C.; self-starting synchronous type; maintains constant speed regardless of line voltage variations. Flat type magnetic pickup has excellent frequency response. Equipped with 12" turntable. Has built-in volume control and needle cup. A remarkable value at our low price. A10080. YOUR PRICE.....

\$13.65



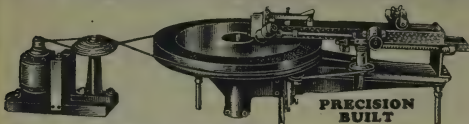
DUAL SPEED MODEL

In black leatherette case with metal corners and rubber feet. Has slip-type hinges which allow cover to be removed. Measures 17 1/2 x 13 1/2 x 6 inches open; closed 17 1/2 x 13 1/2 x 3 inches. Equipped with Webster wide-range pickup with built-in volume control. Motor is dual speed (78 and 33 1/3 R. P. M.) type for 110 Volts, 50-60 cycles. Supplied with weighted 12" turntable. Fills every requirement for high quality, portable phono equipment. A10081. YOUR PRICE.....

\$22.65

RECORDING EQUIPMENT

UNIVERSAL PROFESSIONAL RECORDER



PRECISION BUILT

Precision workmanship coupled with only the highest quality materials make this the very finest recorder obtainable. Cobalt magnet cutting head has double-acting armature for full frequency response, 30 to 8000 cycles; 15 ohms impedance. Write to our Sound Engineering Division for full details and descriptive literature on this truly Professional Recording and Cutting Machine. **A10095.** Complete Professional Recorder including cutting head.

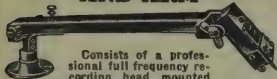
YOUR PRICE.....
(Also available in 50, 200, or 400 ohm models at the same price as above, on special order.)

UNIVERSAL MODEL 12 RECORDER

Consists of a powerful, rubber-mounted motor for 78 or 33 1/3 R.P.M. use; weighted turntable; removable 3/8 inch per inch lead screw; Professional cobalt-magnet cutting head of 15 ohms impedance. In attractive wooden cabinet equipped with volume control, volume level meter, and "on-off" switch. Sample record and full instructions are supplied. Designed for making records of speech and all types of music on blank aluminum discs. Will make brilliant recordings on discs up to 12" in size. For 110 V., 50/60 cycles A.C. Also available in 50, 200, or 400 ohm models at the same price. Wt., 28 lbs.

A10096.
YOUR PRICE.....

PROFESSIONAL CUTTING HEAD AND ARM



Consists of a professional full frequency recording head mounted on a 12 inch arm. Response of head is substantially flat from 30 to 8000 cycles. Uses Cobalt Steel Permanent Magnet and a balanced armature double coil. Has adjustable pressure and head angle. Head has watch mill finish; arm is finished in crackle aluminum. Impedance 15 ohms.

A7277. **YOUR PRICE.....\$45.00**

RECORDING LEAD SCREWS



With Overhead Guide Arm

head guide arm. Easily installed.
A7290. 12 inch. Cuts 98 lines per inch from outside to inside.

NET.....\$5.88
A7291. 16 inch. Cuts 100 lines per inch from inside to outside.

NET.....\$8.82
A7292. 16 inch. Cuts 100 lines per inch from outside to inside.

NET.....\$8.82

WIDE-RANGE TYPE M7 RECORDER

Designed especially for use with any heavy-duty recording motor. Is driven from shaft of motor; connects by means of special cup fitting on center point. Cutting pressure is adjustable. 15 ohms impedance. This new type direct-recording feeding mechanism is simple to operate and is designed to secure high fidelity professional recording results. Ruggedly constructed; easy to mount. Cuts 100 lines per inch. Provides positive feed, cutting from outside to inside, or from inside to outside.

A9166.
YOUR PRICE.....\$345.00

A professional type, carefully engineered recorder, designed for the most exacting recording requirements. Will record on Aluminum, Silver, Acetate, or Nitrate discs. Heavy, sturdy construction. 16" turntable weighs 110 lbs. and is rim-driven by 1 1/2 H.P., 110 V., 50/60 cycle motor. Motor is 100% synchronous, reversible type, manually started. Turntable speed is either 78 or 33 1/3 R.P.M. Shipping wt. of complete recorder is 200 lbs. The very finest Professional Recorder available today.

\$335.00



\$74.00

RECORDING NEEDLES

SAPPHIRE
Of high grade sapphire, precision-ground and polished. Recommended for long wear and fidelity.
A7584. Type A. For blank aluminum discs. List, \$4.00.

NET EACH.....\$2.35

A7585. Type B. For pregrooved aluminum and composition discs. List, \$4.00. **NET EACH.....\$2.35**

A7586. Type D. For Silveroid and semi-plastic discs. List, \$6.00. **NET EACH.....\$3.53**

A7612. RCA-Victor Steel Home Recording needles. For pregrooved discs. 8 to a package. **YOUR PRICE.....25c**

PROFESSIONAL STEEL CUTTING STYLUS

Special alloy steel; hand-finished to a mirror polish and razor edge. For cutting Silveroid, Nitrate, or Acetate discs.

A7273. For 33 1/3 R.P.M. (Pkg. of 10.)
A7274. For 78 R.P.M. (Pkg. of 10.)

PACKAGE OF 10.....\$176

PLAYBACK NEEDLES

A7589. BAMBOO REPRODUCING NEEDLES. For playing all types of recorded discs. **PACKAGE OF 100.....59c**

A7278. RED CACTUS NEEDLES. The most durable non-metallic needles. Plays 5 to 15 records. **PKG. OF 10.....59c**

A7272. RED SHANK STEEL NEEDLES. For maximum number of playbacks on Acetate coated discs. .004 radius at point. **PACKAGE OF 10.....15c**

A7279. "TRAILING SHOE" NEEDLE. Designed for playing back Silveroid, pre-grooved composition, or cellulose records when they are played with a head whose angularity is less than 30° from the vertical.

PACKAGE OF 10.....29c

GREEN FLYER RECORDING MOTOR

A heavy-duty double-motor and turntable designed especially for recording requirements. Two speed type for 78 and 33 1/3 R.P.M. recordings. Durable equipment. Ideal for recording with any head on either pregrooved or blank discs. Will record and play back standard 78 or new 33 1/3 R.P.M. records. Has absolute uniformity of speed under recording drag. Supplied complete with speed shift lever, all necessary hardware, and special weighted 12" turntable.
A10075. List, \$35.00. **YOUR PRICE.....\$174.50**

PREGROOVED

Double-faced, pregrooved discs. May be recorded on both sides. Use Type B Sapphire, or Steel Home Recording Needles.

No.	Dia.	List	NET
A7280.	8"	\$0.30	18c
A7281.	8"	.50	29c
A7282.	10"	.75	44c
A7283.	12"	1.00	57c

BLANK DISCS

STANDARD WEIGHT

Ungrooved discs for all recording purposes. For use with a good cutting head and lead screw. .0215" thick. For proper cutting needs, use Type A listed at left.

No.	Dia.	List	NET
A7284.	8"	\$0.34	14c
A7285.	8"	.36	2c
A7286.	10"	.48	28c
A7287.	12"	.60	35c

HEAVYWEIGHT

Extra-heavy aluminum discs. .0335 in. thick. Ideal for Professional recordings. Will not warp from repeated playbacks.

No.	Dia.	List	NET
A7251.	8"	\$0.50	18c
A7252.	8"	.50	29c
A7253.	10"	.75	44c
A7254.	12"	1.00	59c

SILVEROID DISCS

Ideal blanks for instantaneous recording and playback. Aluminum base, coated with a special formic chemical. Will give high quality full frequency reproduction; needle scratch is reduced to a minimum. Ungrooved types. Use Type D cutting needle.

No.	Dia.	List	NET
A7288.	10"	\$1.20	\$0.71
A7289.	12"	1.50	.88
A7294.	16"	3.00	1.76

UNIVERSAL

PROFESSIONAL DISCS

Highest quality. Professional recording discs. Developed especially for Sound Motion pictures and now available to users of recording equipment. Features: wider frequency response; heavier coating; absolutely silent background; do not deteriorate with age. Cellulose-coated aluminum, black finish.

No.	Dia.	List	NET
A7243.	8"	\$0.70	\$0.39
A7244.	10"	1.10	.64
A7245.	12"	1.50	.84
A7246.	16"	2.90	1.71

CUTTING LUBRICANT

For use on disc surface before cutting. Reduces surface noise, and prolongs stylus life. In 1 oz. vials.

A7247. **YOUR PRICE.....29c**

RECORD PRESERVATIVE

For application to record after cutting. Polishes grooves, and preserves by sealing off newly exposed material. 1 oz. cans.

A7248. **YOUR PRICE.....29c**

RECORD RECONDITIONER

A gas-liberating chemical for softening Nitrate or Acetate blanks. Reconditions old records, or softens new blanks before cutting. 1 oz. can.

A7249. **YOUR PRICE.....29c**

STROBOSCOPE

Checks the speed of any turntable. Place Stroboscope on turntable and illuminate by any light operating on 60 or 25 cycles. 6" in diameter, of heavy cardboard.

A7293. **YOUR PRICE.....15c**



KNIGHT 5-inch MAGNETIC SPEAKER

A midget in size but big in results. This splendidly designed midget speaker has a wide field of usefulness with midget sets, battery sets, additional speaker connection, room to room amplifier broadcast, auto sets, etc. Sturdily made with heavy stamped frame. Heavy overized permanent magnet of "Chrome" steel develops exceptional power. Very sensitive with response over the entire audible range, assuring accurate reproduction with fidelity and clarity. Metal rim has holes for screw mounting. Shipping weight, 2 lbs.

A Super Value.

H251.
YOUR SPECIAL PRICE **\$1.15**

FEDERAL HOME BROADCASTERS

DELUXE MODEL

An efficient novelty microphone for home radio use. Easily connected to any set. Offers endless entertainment by enabling you to make your own broadcasts and announcements. Push-button controls operation. Attractive green-bronze finish. 5" high. Wt. 1 lb.

H511.
NET, EACH **79¢**

STANDARD MODEL

Similar to above, but smaller. In bronze metal case. 3 1/2" high. Complete with adapters and instructions. A practical and amusing home microphone at an insignificant price. Wt. 12 oz.

H512.
NET EACH **54¢**

RADIO PHYSICS COURSE

By A. A. GHIRARDI

The latest enlarged and revised edition of radio's leading textbook. Offers a complete course in radio and electricity. Written in easy-to-understand language. Invaluable to the Radio Beginner, Student, Serviceman, Set-Builder and Experimenter.

972 PAGES . . . 508 ILLUSTRATIONS

Includes valuable chapters on Sound, Vacuum Tubes, Superhets, Short Wave, Auto Radios, Electron theory, Electromagnetism, Test Instruments, Battery Radio, Television, Photo-Electric Cells, Talkies, Alarms, Radio, etc. Attractively printed and bound in durable cloth. Wt. 5 lbs.

H707.
YOUR PRICE **\$3.85**

"RADIO PHYSICS COURSE" is a standard textbook in many leading technical schools. We invite inquiries from Schools and Colleges for quantity prices.

NEW 12 INCH Radio World Globe

Designed especially for radio set owners. Shows all principal Short Wave Stations. Call Letters, distances, etc., throughout the world. Up-to-the-minute and accurate. Invaluable to every Radio listener. Water-and-scratch-proof. Rotates in handsome metal meridian. Statuary bronze base. 17" high overall; 12" diameter. With interesting 32 page Globe Manual. Wt. 7 lbs.

H0151. List, \$6.50. \$2.94
YOUR PRICE

7-INCH MODEL

A remarkable value. Shows principal International S. W. Stations and their Call Letters. A necessity for every DX man and S. W. listener. Glazed finish. Bronze base. 9" high overall; 7" diameter. Wt. 3 lbs.

H0152. List, \$1.50. 78¢

AMERICAN BELL HEADPHONES



Unusually sensitive and efficient headphones. The product of one of America's foremost manufacturers. Noted for fidelity and clarity of tone. Aluminum shells and bakelite moulded caps. The fine magnet gives added sensitivity. D. X. fans will be delighted with their fine reception. 3000 ohm and 2000 ohm types are available.

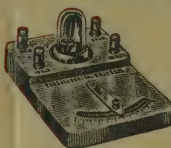
3000 OHMS

H2807.
3000 Ohm Phones.
YOUR PRICE **\$1.25**

2000 OHMS

H2806.
2000 Ohm Phones.
YOUR PRICE **97¢**

NEW LITTLE GIANT CRYSTAL SET



Remarkable for quality and value. Gives strong, clear reception. Equipped with a sensitive crystal enclosed in a dust-proof glass case. Rigidly built to give enduring service and fine broadcast reception. Just the thing for Boy Scouts, campers, etc. Our price for the "Little Giant" is incomparable. Shipping weight, 2 lbs.

**Glass Enclosed
Crystal
A Real Value**

H7051.
YOUR PRICE **69¢**

SIGNAL TWIN WIRELESS CODE PRACTICE SET



A practical and scientifically designed set, invaluable for learning wireless code. Consists of two complete "stations" each equipped with a key, buzzer and code plate. 75 feet of wire are supplied for interconnecting the stations. May be operated up to 1000 feet apart by merely adding more wire. Operates on standard dry cells listed elsewhere in this book. Complete with instructions. Packed in attractive Maroon and Gold display boxes. Shpg. wt. 2 1/2 lbs.

H7700.
YOUR PRICE **\$2.03**

RADIO CRAFT SERIES



Build up a complete but inexpensive up-to-the-minute radio library with the Radio-Craft Series. Carefully compiled, absolutely authentic. Each book, 64 pages, 6"x9", with 50 to 130 illustrations. Bound in stiff board covers.

H5220. "RADIO SET ANALYZERS AND HOW TO USE THEM."
H5221. "MODERN VACUUM TUBES AND HOW THEY WORK."
H5222. "THE SUPERHETERODYNE BOOK"—All About Superheterodynes.
H5223. "HOW TO BECOME A RADIO SERVICE MAN."
H5224. "RADIO KINKS AND WRINKLES—FOR SERVICE MEN AND EXPERIMENTERS."
H5225. "RADIO QUESTIONS AND ANSWERS."
H5226. "AUTOMOBILE RADIO AND SERVICING."
H5227. "HOME RECORDING AND ALL ABOUT IT."
H5228. "BRINGING ELECTRIC UP-TO-DATE."
H5229. "MODERN RADIO HOOK-UPS."
H5230. "POINT TO POINT RESISTANCE MEASUREMENTS."
YOUR PRICE **38¢**

YOUR INVENTION HOW TO PROTECT IT E. E. Lyford

A valuable guide for inventors, experimenters and technical writers. Makes patent law understandable. Tells how to protect and market an invention; explains how to secure a patent and what is patentable, etc. Inventors avoid mistakes and save money with this reference book. Shpg. weight, 1 lb.



H7060.
YOUR PRICE **\$1.50**

"RADIO" HANDBOOK FOR AMATEURS, SET-BUILDERS AND EXPERIMENTERS



A new important radio handbook. Written in plain language; packed with valuable radio information. Tells how to design, construct and operate any kind of a receiver from a 1-tube to a 12-tube super, any kind of transmitter from a 1-tube job to a 1 K.W.

phone or C.W. rig.

292 PAGES—1000 ILLUSTRATIONS
Thoroughly covers test instruments, electron theory of radio, 5 meter rigs, receiver construction, antennas, transmitters, new metal tubes, etc. Practical, important and easy to understand. A great value. Wt. 3 lbs.

H7074.
YOUR PRICE **\$1.00**

SOLDERING IRON HOLDER AND STAND



A practical stand for your hot iron while on a service call. When finished no need to wait for the iron to cool. Just stick barrel and tip into the holder and go on your way. All metal, lined with asbestos. Weight, 3 lbs.

H5522. NET. **68¢**

UTAH • KNIGHT DYNAMIC C SPEAKERS



UTAH SPEAKERS ORTHOVOX PM TYPE

An entirely new type of permanent magnet speaker at a really attractive price. Provides high quality reproduction which compares very favorably with that of the best electro-dynamics. Cone and driver assemblies are perfectly aligned, insuring freedom from rattles and vibration even at full volume. Equipped with chrome-steel permanent magnets and heavy-duty laminated armature, enclosed and protected from dust, grit, etc. Because no field excitation is required, this speaker is ideal for multiple speaker installations. Perfect for radio sets, etc. Unexcelled for practically any tube combination.

tions, or as an extension speaker with old or new battery sets. Available in several popular sizes, with output arrangements to match. For types listed refer to Output Tube Data below.

Model 5X-5" Diameter
Ideal for use in AC-DC midget sets. Will handle 1½ watts. Shpg. wt., 2 lbs.
A9219. Type A.
A9220. Type B.
A9221. Type C.
List, \$3.75. EACH. **\$2.20**

Model 6X-6½" Diameter
Will handle up to 2 watts. A sturdy popular speaker. Shpg. wt., 3 lbs.
A9222. Type A.
A9223. Type B.
A9224. Type C.
List, \$4.00. EACH. **\$2.35**

Model 8X-8" Diameter
Will handle up to 3½ watts. Shpg. wt., 4 lbs. An excellent value.
A9225. Type A.
A9226. Type B.
A9227. Type C.
List, \$4.50. EACH. **\$2.65**

Model 12X-12" Diam.
Will handle up to 6 watts. Heavy-duty model. Shpg. wt., 5 lbs.
A9228. Type A.
A9229. Type B.
A9230. Type C.
List, \$7.00. EACH. **\$4.12**

OUTPUT TUBE DATA

Type A	Single. 01A-39-49. Push-Pull. 12A-31-33-38-41-42-47-2A5-6F6. Class B.* 6AG-19-49-53-79-89.
Type B	Single. 2A5-6F6-10-12A-31-33-41-42-47. Push-Pull. 43-45-71A.
Type C	Single. 43-45-71A. Push-Pull. 2A3-48.

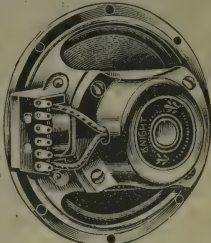
* For Class B operation, connect a 1 watt resistor across two outside speaker terminals. The resistor value in ohms should be at least 5 times the total plate-to-plate load impedance.

KNIGHT DYNAMIC SPEAKERS OUTSTANDING VALUES

Knight Electro-Dynamic Speakers have established a new standard of value for discriminating Servicemen and Custom-Builders. Universally accepted and acclaimed wherever high class performance with minimum expense is desired. Designed to meet various requirements, these speakers incorporate every worthwhile feature usually found only in speakers selling at much higher prices. Fine frequency response, sturdy construction, and ample power-handling ability make these speakers ideal for a variety of replacement uses or for original installations. We can supply any of these speakers with special field or transformer, at an additional cost of 50c each. State complete specifications and include deposit with order. If no replacement purposes where no data is available, give set model number and manufacturer's name.

6 INCH DYNAMIC

A midget dynamic speaker capable of surprisingly smooth performance. Will adequately fulfill all requirements for superior reproduction in medium-sized sets where space is limited. Carefully assembled of highest-quality components; rigidly inspected to assure a speaker mechanically and electrically correct in every detail. The sturdy construction of this speaker assures long trouble-free operation. Voice coil, ¾" diameter; impedance, 3½ ohms at 400 cycles. Field resistance, 2500 ohms; with transformers as listed below. Overall diameter, 6¼ inches.



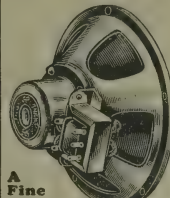
A9355. Single or P.P. 43, 45, 71A.
A9356. Single 41, 42, 47, 2A5, 6F6.
A9357. P.P. 41, 42, 47, 2A5, 6F6.

\$1.59

YOUR SPECIAL PRICE.....

8½ INCH DYNAMIC

An ideal speaker for use with console receivers and small public address systems. Will handle full volume without overloading or distorting. Correctly aligned voice coil and cone assure maximum efficiency without rattles or objectionable vibration. Voice coil, ¾" diameter; impedance, 3 ohms at 400 cycles. Field resistance, 2500 ohms. 8½" overall diameter; only 4¾" deep. A high quality reproducer with fine power, sensitivity, and unusual fidelity of reproduction. With output transformer to correctly match output tubes as listed below.



A Fine Value

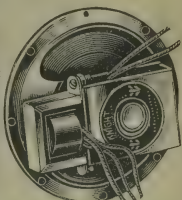
A9358. Single or P.P. 43, 45, 71A.
A9359. Single 41, 42, 47, 2A5, 6F6.
A9360. P.P. 41, 42, 47, 2A5, 6F6.

\$2.40

YOUR SPECIAL PRICE.....

5 INCH DYNAMIC

Developed especially for use in the new compact receivers where space is at a premium. An ideal inexpensive speaker for replacement purposes in small midget or portable sets where cost must be held to a minimum. Has excellent frequency response and will handle a surprisingly large amount of volume. Correct design and alignment of free moving cone and voice coil assembly largely eliminates distortion even when delivering full volume. Voice coil, ¾" diameter; impedance, 3½ ohms at 400 cycles. Only 5" diameter, and 2¾" deep. Field coil, 3000 ohms. Supplied with transformers as listed.
A9351. Single or P.P. 43, 45, 71A.
A9352. Single 41, 42, 47, 2A5, 6F6.
A9353. P.P. 41, 42, 47, 2A5, 6F6.

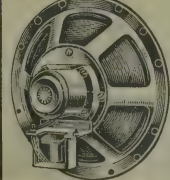


\$1.40

YOUR SPECIAL PRICE.....

11 INCH DYNAMIC WITH UNIVERSAL INPUT

A well-built reproducer with excellent power-handling capacity. Affords faithful tonal response. Ideal for use in console sets and sound systems. Will handle up to 8 watts. Supplied with special Universal Input Transformer, for Single, Push-pull or Class B operation, with fields as listed below. Shpg. wt., 6½ lbs.
A9240. 6 Volt Field.
A9241. 1000 Ohm Field.
A9242. 2500 Ohm Field.

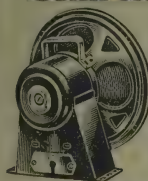


\$3.40

YOUR PRICE.....

UTAH MODEL 1220 SPEAKERS

A new, popular auditorium-type dynamic speaker. Designed especially to afford high-quality reproduction at high volume levels. Will handle 15 watts maximum input. Particularly suited for Public Address work. Voice coil diameter is 1¼"; 16 ohms impedance. Heavy-duty universal output transformer is included. DC models require 12 watts field power for full output handling ability. Shpg. wt., 14 lbs. When ordering, specify types of power tubes and how connected.



A. C. SPEAKER

Self-excited field type for operation from 105-120 V. 50/60 cycles A.C. Requires 1-80 tube (no tuned circuit). Includes output transformer, either universal or 500 ohm. Specify transformer desired when ordering.
A9434. List, \$19.00. **\$11.17**

YOUR PRICE.....

D. C. SPEAKERS

For use with radio sets or amplifiers having built-in field excitation supply.
A9430. 6 Volt Field.
A9431. 1000 Ohms.
A9432. 2500 Ohms.
A9433. 4000 Ohms.
List, \$11.50. **\$6.76**

NET, EACH.....

UTAH 8" DYNAMICS

A well-designed dynamic speaker for use in small console receivers, etc., where high-quality reproduction is desired, and where the speaker is not called upon to handle more than 6 watts. Has heavy, pressed steel frame; molded, ribbed diaphragm. Voice coil impedance is 4 ohms at 400 cycles. Requires 6.5 watts field excitation. With 2500 ohm field coil and transformers as listed below. Shpg. wt., 5 lbs.
A9437. Single or P.P. 43, 45, 71A.
A9438. For Single 41, 42, 47, 2A5, 6F6.
For P.P. 41, 42, 47, 2A5, 6F6.
List, \$6.50. YOUR PRICE, EACH. **\$3.82**



\$3.82

UTAH 10" DYNAMICS

A high quality dynamic speaker designed to handle up to 9 watts power output from amplifier or receiver. Voice coil impedance is 6 ohms at 400 cycles. Requires 9 watts field excitation. With 2500 ohm field and transformers as listed below. Shpg. wt., 10 lbs.
A9245. Single or P.P. 43, 45, 71A.
A9246. Single 41, 42, 47, 2A5, 6F6.
A9247. P.P. 41, 42, 47, 2A5, 6F6.
List, \$8.25. **\$4.85**



YOUR PRICE, EACH.....

KNIGHT MAGNETIC SPEAKERS

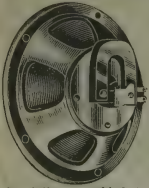
ALLIED presents a remarkable selection of magnetic speakers which have already achieved an enviable reputation for fine tone quality. These high-quality all-purpose speakers are in constant demand.

The many advanced features incorporated in these highly efficient KNIGHT magnetic speakers make them ideal for a multitude of uses. Stronger in construction and more reliable in operation.

8 1/2 INCH MODEL

A9253

\$1.78

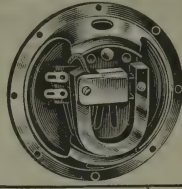


Similar in construction to the smaller models, but is 8 1/2" in dia., 3 3/4" deep. Has extra flexible diaphragm and heavy-duty magnet. Will easily handle up to 1 1/2 watts of audio without distortion.

Carefully assembled to insure long life and freedom from rattle and objectionable vibration. DC resistance, 1000 ohms. Ideal for battery set use and as extension speakers in hotel, school, and similar multiple-speaker installation. The scientific design and construction of this fine magnetic speaker results in performance which exceeds that usually expected from reproducers of the magnetic type. Shipping wt., 4 lbs.

5 INCH MODEL

A well-designed midget type speaker suitable for use with battery, small AC-DC and AC sets where space is very limited. Only 5 inches in diameter. Pressed steel frame is of rigid design. Has generous sized magnet. DC resistance is 1000 ohms. Unusually fine tonal response. An excellent replacement unit for all compact-type radio sets, or for use in multi-unit installations; and as extension speaker. Well-built for good service. A wonderful value at our low price. Shipping weight, 3 lbs.



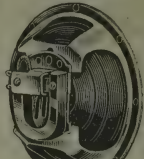
A9251
YOUR SPECIAL PRICE.

\$1.13

6 INCH MODEL

A9252

\$1.59



A sturdy and powerful, small size magnetic speaker, only 6" in diameter. Has heavy pressed steel frame and large magnet. Latest improved armature design; extra flexible diaphragm. Will handle up to 1 watt output. DC resistance, 1000 ohms. Especially recommended for battery and AC-DC set use as an extension speaker, or in multiple-speaker installations. An ideal high quality all-purpose unit constantly in demand and priced low for profitable installations. Shipping weight, 4 lbs.

CABINET MODEL MAGNETIC 8 1/2 INCH SPEAKER

GOthic MODEL



A fine table model magnetic speaker. Combines attractive appearance and excellent tone quality. Handsome walnut-finish cabinet is 11" high, 10 1/2" wide, and 6 1/2" deep. A high quality magnetic speaker chassis is mounted in the cabinet. Speaker chassis is 8 1/2" diameter, 3 3/4" deep; has pressed steel frame, large magnet and improved armature structure. 1000 ohms DC resistance. Equipped with 5 1/2 ft. cord. This high grade speaker is ideal for use with battery sets, and in multiple speaker systems, as well as for extension use. Our low price makes this cabinet model magnetic speaker an unusual value.

A9444. YOUR PRICE..... **\$2.98**

WALNUT SPEAKER CABINET ONLY

Cabinet only as illustrated above. Very sturdy. Has beautiful walnut finish and attractive design. Will accommodate any speaker not over 8 1/2" in diameter, 11" high, 10 1/2" wide, 6 1/2" deep.

A9445. YOUR PRICE..... **\$1.40**

SQUARE CABINET MODEL

A sturdily built modern, handsome square-type speaker cabinet finished in rich dark walnut. Equipped with new, improved 1/2" double-magnet magnetic type reproducer. An ideal extension speaker. Has gold-bronze silk grille, both front and back. Complete with 6 ft. cord. Size: square x 5 1/2" deep. Shpg. wt., 5 lbs.



A9483. NET..... **\$3.05**

A9484. Same cabinet and speaker as above, but with Volume Control and On-Off switch. Load resistor is thrown across line in "Off" position, so that volume of other speakers on same line is not affected. NET..... **\$4.50**

BOOKSHELF MODEL



A beautiful, modern speaker cabinet of sturdy design and construction, equipped with the latest Utah permanent-magnet dynamic 8 1/2" speaker. Has "On-Off" switch and volume control on panel of cabinet. 8 1/2 ohm voice coil permits connection to voice coil leads of amplifier or radio set. Easy to install; ideal for speaker extensions in the home or school. Available in 3 finishes, to harmonize with any furnishings. Measures 28 1/2" x 10 1/2" x 10 1/2"; has hooks for hanging.

A9485. Walnut..... **\$7.91**

A9480. Maple..... **\$7.91**

NET EACH..... **\$8.20**

A9481. Antique White..... **\$8.20**

BEST KINEMATIC SPEAKERS

An exceptionally fine speaker of the permanent magnet type. May be used for multiple speaker or central sound systems, as extension speakers, and for battery sets. Double chrome-steel magnets assure good power-handling ability. Impedance 7000 ohms.

A9453. 5 Inch cone..... **\$2.10**

5 1/2" deep. YOUR PRICE..... **\$2.65**

A9454. 6 1/2 Inch cone..... **\$2.65**

5 1/2" deep. YOUR PRICE..... **\$3.15**

A9455. 8 Inch cone..... **\$3.15**

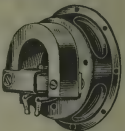
YOUR PRICE..... **\$3.15**



KNIGHT 3 INCH MIDGET MAGNETIC SPEAKER

Here's the smallest efficient speaker you can buy. A high quality, well-designed magnetic speaker measuring only 3 inches in diameter. Intended especially for use in pocket-sized midget and receivers, two-way communication systems, and small portable short-wave receivers. Strong, permanent magnets and coils, of full size, are mounted on a midget rigid pressed steel frame. May be mounted from front or back, in any position desired. Shpg. wt., 1 lb.

A9458.
YOUR PRICE.....



98c

RCA-VICTOR PERMANENT-MAGNET Dynamic Speakers



RCA NO. 9453-6 INCH MODEL

Genuine RCA-Victor quality. Midget type, ideal for use with battery radios and midget sets. Heavily built for excellent fidelity and full volume-carrying capacity. Requires no field excitation. Uses new type cobalt steel magnet design. Has 5-inch cone. Overall diameter is 6 1/2"; depth is 2 3/4". Voice coil impedance, 6 ohms. Output transformer not supplied. Shpg. wt. 5 lbs.

A9450. YOUR PRICE..... **\$3.27**

RCA NO. 9538-7 1/2"

Has corrugated 6 inch cone and oversize magnet. 7 1/2" diameter, 4" deep. 8 ohm voice coil. Less output transformer. Wt. 10 lbs.

A9468.
YOUR PRICE..... **\$4.50**

RCA NO. 9455-10"

Heavy duty type. Ideal for multiple sound systems. 10 1/4" diameter, 5" deep. 6 ohm voice coil. Less output transformer. Wt. 12 lbs.

A9469. YOUR PRICE..... **\$5.88**

WRIGHT-DECOSTER HYFLUX MAGNETIC SPEAKERS

A magnetic speaker with many unusual features. All parts are fully shielded and protected against dust, grit, etc. Rigid one-piece pressed steel frame is of new design. Compact assembly allows easy, rapid installing in battery sets, auto radios, multiple extension speaker systems, etc. Frequency response is unusually good.

A9317. 6 Inch Magnetic..... **\$1.96**

List. \$4.00. YOUR PRICE..... **\$1.96**

A9318. 8 Inch Magnetic..... **\$2.20**

List. \$4.50. YOUR PRICE..... **\$2.20**



METAL WALL CABINETS WITH 8-INCH MAGNETIC SPEAKERS

The Hyflux speaker chassis mounted in an attractively finished steel wall type cabinet. The perfect speaker for centralized radio installations, or for extension speakers in the home.

FLUSH MOUNTING

Mounts flush with wall surface, 12" x 14" x 5 1/2". Provided with approved metal conduit box.

List. \$9.16
YOUR PRICE..... **\$4.99**

SURFACE MOUNTING

Projecting or surface type wall cabinet, with walnut finished trim, 12" x 14" x 5 1/2".

List. \$9.26
YOUR PRICE..... **\$4.54**

REPLACEMENT PARTS FOR SPEAKERS

EXACT DUPLICATE FIELD COILS



Replacement field coils which exactly duplicate the originals physically and electrically. Perfectly impregnated against moisture.

We can supply field coils other than those listed below. If possible send sample with deposit, or specify inside dia. of hole, outside dia. of coil, length of winding, and resistance and we will supply or quote promptly.

Cat. No.	Set or Speaker	Res. Ohms	YOUR PRICE
A2990.	Apex-Gloritone 20.	5.935	1.47
A2990.	Apex-Gloritone 20.	11.500	1.47
A2951.	Apex 26A	11.500	1.47
A2952.	Apex 26P (Spkr.)	11.500	1.47
A2953.	Apex 26P (Spkr.)	11.500	1.47
A2954.	Apex 27	11.000	1.47
A2955.	Apex-Gloritone 2A.	6.000	1.47
A2951.	Apex-Gloritone 10B	6.000	1.47
A2992.	AK 49, 47, 83.	1.700	3.53
A2956.	AK 55, 60.	1.100	3.53
A2993.	Brunswick 10	2.500	2.35
A2994.	Crosley 269	10.000	2.25
A2995.	Crosley M-45	2.500	2.25
A2996.	Jensen D7, D8.	1.500	2.29
A2960.	Jensen D7, D8.	2.500	2.94
A2996.	Lytic 9	5.000	4.12
A2964.	Magnavox 9"	2.500	3.82
A2965.	Majestic G1	3.100	3.15
A2966.	Majestic G2	2.730	3.15
A2967.	Majestic G3	2.730	3.15
A2969.	Majestic G5	7.600	4.70
A2997.	Majestic G10F	710	1.59
A2975.	Oxford Medium	1.000	2.79
A2976.	Oxford Medium	2.500	2.79
A2977.	Oxford Medium	4.000	3.33
A2978.	Oxford Auditorium	1.500	2.25
A2979.	Oxford Auditorium	2.500	2.75
A2980.	Oxford Auditorium	4.000	1.95
A2981.	Philo 20	5.300	1.18
A2982.	Philo 36, 87, 65.	3.200	2.65
A2983.	RCA 46	2.500	2.35
A2986.	RCA 106	6.000	2.94
A2987.	RCA Photo	1.000	7.44
A2984.	Stewart Warner	10.000	4.70
A2985.	Stewart Warner	10.000	2.35
A2988.	Temple (A1)	9.250	4.12
A2989.	Victor RE32, 45, 75	30.000	2.82

AC-DC FIELD COILS

For "midget" 5" and 6" speakers. 1" inside dia., 1" outside dia., 3/4" high. Supplied with 3 gaskets to permit secure installation.

List, \$1.50

88c

We can supply field coils other than those listed. Please specify resistance.

REPLACEMENT DIAPHRAGMS FOR DYNAMIC UNITS

For all Raco and Western Electric units. Please specify model, type, and serial number of your unit. Unit may be shipped to us for installation of proper diaphragm at an additional cost of \$1.50 net.

A2672. For Raco Units. **\$2.94**

A2673. For W. E. Units. **EACH \$2.94**

SPEAKER CENTERING SHIMS

Celluloid spacers for centering and adjusting speaker voice coils and armatures. Flexible and tough. Kit includes: 4 shims-.005; 4 shims-.0075; 4 shims-.010; 4 shims-.015. In handy compact leather case with separate marked compartments.

A2999. **YOUR PRICE 36c**

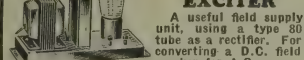
EXACT DUPLICATE SPEAKER CONES

Duplicate replacement cones accurately designed and carefully constructed to match the originals. One piece seamless material is used; noted for enduring, non-resonant quality. An accurately wound voice coil is included with each cone. Cones are precisely molded by patented process to secure excellent tonal quality and long life. Voice coils are also exact duplicates of the originals in all specifications. For improved tone quality, replace your old speaker cones with these reliable exact duplicates.

If the cone assembly you require is not listed either write to us for a quotation, or send in the old cone with a deposit and we shall ship you an exact duplicate at a price not to exceed \$2.75 for standard types. If the entire speaker is sent in for cone installation, add \$1.00 to price of cone assembly for cleaning and installing.

Catalog No.	For Model	Outer Dia., In.	YOUR PRICE
A3361.	A.K. Pt. No. 15142	mod. 43, 46, 55, 60, 64, 66.	1.08
A3362.	A.K. Pt. No. 14374.	mod. 43, 46, 55, 60, 64, 66.	1.18
A3363.	A.K. Pt. No. 19465.	mod. 80, 82, 84, 558, 627, 87.	1.03
A3364.	Best D5	mod. 80, 82, 84, 558, 627, 87.	.88
A3366.	Best D5	mod. 80, 82, 84, 558, 627, 87.	1.03
A3371.	Brunswick D, 11, 12	9, 10, 12.	1.47
A3372.	Brunswick 15, 22	12	1.71
A3373.	Brunswick 14, 814	12	1.71
A3367.	Brunswick 24, 17	12	1.71
A3368.	Brunswick 81, 82	12	1.71
A3369.	Brunswick 31, 81	12	1.71
A3370.	Brunswick 81, 82	12	1.71
A3371.	Crosley M45 Mod.	362, 408, 428, 628, 308.	1.47
A3374.	Jensen D4, D5	9 1/4	1.71
A3375.	Jensen D7, D8	11 1/4	1.71
A3376.	Jensen D9 (Outside)	11 1/4	1.71
A3377.	Jensen D9 (Inside)	11 1/4	1.61
A3382.	Jensen D10, D11	8	1.42
A3378.	Jensen D12, D14	8 1/4	1.41
A3379.	Jensen D15	8 1/4	1.32
A3380.	Jensen D16	8	1.32
A3381.	Jensen Auditorium	13	2.94
A3382.	Jensen D19 (Short)	10	1.62
A3384.	Jensen D1, D2	6 1/4	1.03
A3385.	Stewart Warner 206A	8 1/4	1.47
A3386.	Magnavox 130, 150	8 1/4	1.47
A3387.	Airline 360, Crosley 369	8 1/4	1.47
A3388.	Geith A. B. C.	8 1/4	1.47
A3389.	Magnavox 130, 150	8 1/4	1.47
A3390.	Magnavox 140, 144	7 1/4	1.32
A3391.	Magnavox D7, D8	8	1.32
A3392.	Magnavox 100, 101, 102	8	1.32
A3393.	Eveready 30, 40, Bosch 29A	9	1.62
A3394.	Kellogg 523	9	.84
A3395.	Majestic G1	9	.84
A3396.	Majestic G2	10	.84
A3397.	Majestic G3	10	.84
A3398.	Majestic G5	12	.71
A3399.	Majestic G6	10	1.47
A3400.	Majestic G7	10	1.47
A3401.	Majestic G10B	7 1/2	1.18
A3402.	Majestic G11	10	.41
A3403.	Majestic G13	12	.32
A3404.	Majestic G14	12	.18
A3405.	Majestic G15	12	.18
A3406.	Majestic G22	12	.18
A3407.	Majestic G24	6	.88
A3408.	Majestic G26A	5	.85

FIELD EXCITER



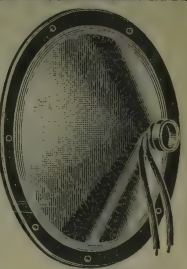
A useful field supply unit, using a type 80 tube as a rectifier. For converting a D.C. field speaker into A.C. operation. Furnishes 15 watts under normal use. Special filter reduces speaker hum. With 110 volt, 60 cycle transformer. Size, 3 1/2 x 3 1/2 x 4 1/2 high. Wt., 5 lbs. Less tube.

A482. **YOUR PRICE \$2.94**

SPEAKER CONE CEMENT

A service necessity. In convenient metal tub containing 3 ounces. No waste. Readily cements cones, paper rings and felts to speaker frames. Dries quickly, and holds permanently. A necessary item in the serviceman's kit.

A4231. **YOUR PRICE 24c**



Catalog No.	For Model	Outer Dia., In.	YOUR PRICE
A9402.	Oxford (3 point spider)	12	1.62
A9403.	Oxford (2 point spider)	8 1/4	1.41
A9404.	Oxford (3 point spider)	10	1.47
A9405.	Oxford 14	14	2.35
A9436.	Philo Pt. No. 02861.	mod. 5, 48, 50, 52, 80, 81.	.59
A9407.	Philo 37, 65, 95.	76, 96, 77, 40, 111, 90, 112, 10	.82
A9407.	Philo 90, 8, 7, 20.	21, 70	.73
A9408.	RCA 104, 105	8	1.18
A9409.	RCA 106, R30, R32, R36, R35, R39, RE57, R34.	R50, R55	1.18
A9410.	RCA 48, R7, R7A, R8, R10, R12, R15, R18, R19, R20, R23, R32, R14, RE17	10	.88
A9290.	RCA Pt. No. 9028.	mod. M34, M105	.59
A9291.	RCA Pt. No. 8987.	mod. R28, R28P, K22, R28EW, RE40, RE40P, 100, 101, 110, 111, 114, 115, M116, 300, 301.	.59
A9292.	RCA Pt. No. 9428.	mod. R37, R37P, R38, R38P, 112, 120, 121, 122, 124, 126B, 141, 141B, 302	.59
A9293.	RCA Pt. No. 8921.	mod. R71, R71B, SWA3, R24.	.73
A9294.	Rola F4	5	.82
A9295.	Rola F5	6 1/4	1.03
A9296.	Rola F6	7 1/2	.73
A9297.	Rola D90, D110	9 1/4	.62
A9298.	Rola Series K	7 1/2	1.47
A9413.	U. S. Apex-Gloritone 26A (Spkr. 2407)	8	1.18
A9414.	U. S. Apex-Gloritone 26A (Spkr. 2501)	8	1.32
A9415.	U. S. Apex-Gloritone 26 (Spkr. 2286)	8 1/4	1.18
A9416.	U. S. Apex-Gloritone 26P (Spkr. 2758)	8	1.18
A9417.	U. S. Apex-Gloritone 26P (Spkr. 2925)	8	1.32
A9419.	U. S. Apex-Gloritone 27 (Spkr. 1936)	8 1/4	1.18
A9420.	U. S. Apex 10B (Spkr. 2802)	10	1.47
A9421.	Utah Stadium (66A-603)	12	1.70
A9422.	Utah 1220 (3 point spider, 16 ohm voice coil)	12	1.70
A9429.	Utah 124 (inside spider)	12	1.62
A9422.	Utah 1240 (inside spider)	8	1.16
A9423.	Wright DeCoster 107	12	1.71
A9424.	Victor RE32, 45, 75, 9	9	.73
A9425.	Victor RE57, 34, 35.	10 1/4	1.18
A9426.	Zenith 52, 72 (Oxford)	12 1/4	1.70
A9427.	Zenith 52 (Jensen D9)	11 1/4	1.62

REPLACEMENT CONE VICTOR RE32, RE45 75 AND 72

Made of seamless reinforced fibre, coated with a special metallized lacquer. Truly non-resonant and designed for long life. Advanced type of construction is a distinct improvement over the original. Cone size 9 inches.

A9424. **YOUR NET PRICE 73c**

BURGESS RADIO BATTERIES KNIGHT BATTERIES

BURGESS BATTERIES COMBINATION PLUG-IN and CLIP TYPE "A"

"B" and "C" BATTERIES



A world-famous line of batteries carried by all major expeditions in recent years. Proved to be absolutely moisture- and climate-proof. Built to rigid specifications. Meets all industrial and government laboratory requirements. Now available with plug-in connector as well as Fahnestock clips. Unusually large current storage capacity enables these batteries to give long, satisfactory service even under heavy loads. Burgess batteries will give at least 1000 hours of normal service. New "B" and "C" plug-in packs are ideal for portable battery sets as indicated.

Catalog No.	Factory No.	Volts	Shpg. Wgt.	Unit Pkg.	List Price	Single Net Price	Unit Pkg. Net Price
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SUPER "B" BATTERIES

A1101	21308	45	16	1	\$2.95	\$2.17	\$1.97
A1102	22308	45	10 1/2	6	1.95	1.44	1.31

STANDARD "B" BATTERIES

A1103	10308	45	14	6	\$2.25	\$1.66	\$1.51
A1104	2308	45	9 1/2	6	1.75	1.30	1.18
A1105	*5308	45	4	5	1.50	1.10	1.00
A1106	*2156	22 1/2	5 1/2	5	1.50	1.11	1.01
A1107	*4156	22 1/2	1 1/2	4	.75	.55	.50

STANDARD "C" BATTERIES

Standard small-size batteries designed primarily to meet bias application requirements. The 22 1/2 Volt unit is also ideal as "B" supply for portable receivers, hearing-aids, or other devices that may require this voltage. 4 1/2 and 7 1/2 volt units are useful for supplying voltage to microphones, and as filament supply for battery type tubes. Available with plug-in connector.



A1108	5156	22 1/2	2	4	\$0.85	\$0.63	\$0.57
A1109	2370	4 1/2	1 1/2	10	.40	.30	.27
A1110	*5540	7 1/2	1	4	.65	.48	.44
A1111	*5380	4 1/2	1	4	.40	.30	.27

* Not available with Plug-In feature.

PLUG-IN "B" and "C" PACKS FOR PHILCO 38 and 38A

A1127	G90-D61	135	44 1/2	1	\$8.50	\$5.95	\$5.95
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FOR PHILCO 34, 34A, 39, 39A

A1128	G90-D81	135	44	1	\$8.50	\$5.95	\$5.95
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FOR GRUNOW 502 and 503

A1129	10908	135	40	1	\$7.50	\$5.25	\$5.25
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DRY CELL "A" BATTERIES

Two new 1 1/2 volt batteries for radio use. Ideal for use as filament or microphone supplies. No. 4FA is a smaller, lighter unit than the old No. 6 dry cell, but is fully equal to it in both performance and capacity. No. 44 is a small, compact battery similar in appearance to a No. 8 dry cell, but much smaller, with slightly less current capacity. Either type is suitable for replacing No. 6 cells. Supplied with screw type terminals.

Catalog No.	Factory No.	Volts	Shpg. Wgt.	Unit Pkg.	List Price	Single Net Price	Unit Pkg. Net Price
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A1118	4FA	1 1/2	2 lb.	20	40c	30c	27c
A1113	44	1 1/2	11 oz.	1	35c	24c	24c

TUBULAR FLASHLIGHT UNICELLS

A1116	No. 1	1 1/2 volts.	Size 1 1/2 x 1 inches.	Baby type.			
A1117	No. 2	1 1/2 volts.	Size 2 1/2 x 1 1/2 inches.	Standard type.			



6 1/2

BURGESS 3 VOLT DRY "A" BATTERY



A new 100% dry "A" battery developed especially for 2 volt battery sets. Does not require recharging or filling with water; ready for immediate use. Provides 400 hours service at 1/2 ampere discharge 3 hours daily.

PLUG-IN AND SCREW TERMINALS

Has new plug-in connections as well as the conventional screw-

type terminals. Compact and easy to handle. Attractive mahogany finish. Size, 1 1/2" x 1 1/2" x 1 1/2". Weight, 14 lbs. NOTE: Reducing resistor is necessary when used with 2 volt set having no voltage regulating device.

A10020. YOUR PRICE.....

List, \$3.30.
NET
\$2.21

KNIGHT BATTERIES NEW PLUG-IN TYPES

A first quality line of batteries sold exclusively under the Knight name, now supplied with the new convenient plug-in connector. Made of highest quality materials, well-designed and adequately protected against internal shorts. Our quick turnover assures you of constantly fresh stocks. There's real value packed into every Knight battery.



STANDARD 45 VOLT "B"

A very popular "B" battery of standard 45 volt design, with tap at 22 1/2 volts. Sturdy and dependable; will give long life and dependable service. Size, 7 1/2" x 6 1/2" x 3 1/2". Supplied with plug-in connector. Designed for sets using up to 6 tubes. An incomparable "B" battery value that will bring you better business. Shpg. wt., 10 lbs.

A1152.
YOUR SPECIAL PRICE.....

89c

45 VOLT HEAVY-DUTY TYPE

A powerful battery built for heavy-duty service, especially for sets using power output tubes. Current capacity is high, assuring long, dependable noiseless service. Well-designed, and of very sturdy construction. Supplied with new handy plug-in type terminal connector. Rapid turn-over assures you of fresh stocks. Size, 6 3/4" x 7 1/4" x 1 1/2". Shpg. wt., 12 lbs.

A1151. YOUR SPECIAL PRICE.....



45 VOLT EXTRA HEAVY-DUTY TYPE

A large, over-sized battery designed to give the maximum obtainable service; recommended for use with battery sets having more than 6 tubes. The exceptionally long life of this battery will result in actual savings in battery replacement cost. Size, 8 1/2" x 4 1/2" x 1 1/2". Shpg. wt., 16 lbs.

A1157. YOUR SPECIAL PRICE.....

\$1.74



22 1/2 VOLT "B" and "C"

A high quality 22 1/2 volt "B" and "C" battery attractively priced. Tapped to supply 22, 16 1/2, 10 1/2, 9, 6 and 4 1/2 volts. Has Fahnestock connectors. For use as tapped "C" battery or as "B" battery in portable sets. Size, 4 1/2" x 3 1/2" x 1 1/2". Shpg. wt., 2 lbs.

A1154. YOUR SPECIAL PRICE.....

57c

4 1/2 VOLT "C"

A compact "C" battery designed for long life and lasting service. Tapped at 3 volts. Ideal for microphone supply, filament voltages, etc. Supplied with new plug-in terminal connector. Size, 4 1/2" x 1 1/2" x 1 1/2". Shpg. wt., 1 lb. A real value at this low price.

A1153. YOUR SPECIAL PRICE.....

21c

NO. 6 DRY CELL

A high grade all-purpose standard 1 1/2 volt dry cell, for use on buzzers, door-bells, ignition systems, etc. Recovers quickly to normal voltage even after heavy drain. With brass binding posts and nuts. Size, 6 1/2" x 1 1/2". Shpg. wt., 2 1/2 lbs. An excellent value in a power-packed quality dry cell.

A1150.

YOUR PRICE.....

19c

FLASHLIGHT CELLS

Long-lived, high quality cells for all tubular flashlights.

NO. 1 UNIT CELL

A1151. Baby size for small flashlights. 1" dia. x 1 1/2" long.

NO. 2 UNIT CELL

A1150. Regular size for standard flashlights. 1 1/2" dia. x 2 1/2" long.

Unit 10c.

Unit 10c.

10 FOR.....

4c



GENERAL MIDGET PORTABLE

"A" & "B" BATTERIES



Extremely small, light-weight portable batteries. For use in portable radio receivers and transmitters, transceivers, monitors, hearing aids, weather balloons, pocket radio sets, etc. The approximate rating of H1165 is 190 MA hours; H1166 is 400 MA hours; H1167 is 1,000 MA hours; H1168 is 8 ampere hours; H1169 is 15 ampere hours. H1166 and H1167 are tapped at 22 1/2 volts. All others are untapped.

STOCK NO.	VOLTS	Lth.	Width	Wt.	List	NET
A1165	45	3 1/2"	3 1/2"	11 oz.	\$1.75	\$1.15
A1166	45	3 1/2"	3 1/2"	22 oz.	2.00	1.29
A1167	45	4 1/2"	3 1/2"	60 oz.	1.75	1.16
A1168	3	3 1/2"	1 1/2"	28 oz.	.80	.61
A1169	3	2 1/2"	1 1/2"	16 oz.	.50	.32

BATTERIES BATTERY CHARGERS

New Eveready Air Cell "A" Battery



Especially designed and intended only for use with 2 volt "Air-cell" battery sets. Operates on a new principle using air as a depolarizer to maintain constant voltage and to give long life. A600 has new plug in feature.

ECONOMICAL—CONVENIENT

Costs less to operate than any other "A" battery. Now offered at a reduced price. Both Air Cell batteries listed below are rated at 600 ampere hours and have a useful life of approximately 1000 hours. The A-600 type is for sets with a maximum current drain of 860 M.A. The 3A-850 is for sets having a maximum drain of 750 M.A. In leak-proof cases, 10 1/2" x 6 1/2" x 9 7/8". Wt. 24 lbs. (Not mailable.)

A10025. Air Cell. \$4.09
NET, \$4.17. Less 2%.....

A10026. 3A-850. Heavy-duty (750 M.A.): for multi-tube sets. Wt. 20 lbs. \$5.15
NET, \$5.25. Less 2%.....

"A", "B" AND AIR CELL BATTERY TESTERS

Inexpensive, portable type battery testers. Will test "B" Batteries, Dry Cells, Storage Batteries, etc. Air Cell tester indicates condition of Air Cell Batteries as "Good" or "Bad." Unusual values.



A6260. STORAGE BATTERY TESTER. YOUR NET PRICE..... \$59c
A6261. 0-35 Amps. For testing dry cells. YOUR PRICE..... 18c
A6262. 0-50 Volts. For "B" Batteries. YOUR PRICE..... 52c
A6263. Combination 0-40 Amp. and 0-50 Volts. NET..... 68c
A7340. Air Cell Battery Tester. YOUR NET PRICE..... \$1.61

32 VOLT SUPER "A" ELIMINATORS

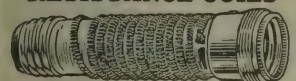


Designed for use with sets using 2 Volt, 4 Volt, or 6 Volt tubes. Eliminates "A" batteries; provides proper filament voltage from 32 Volt Light System. Correct voltage is always assured by means of built-in regulator dial and

volt-meter. Two models are available: one for 2 or 4 Volt tubes; the other for 6 Volt tubes. Not suited for sets with built-in "B" eliminators, or from 110 V. line. For 32 Volts DC only. Wt. 2 lbs.

A2260. For 2 and 4 volt tubes. \$3.82
A2261. For 6 volt tubes. NET, \$6.50.
LIST, \$6.50.

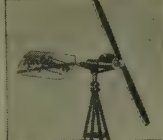
KING COLE RESISTANCE COILS



6-VOLT "A" SUPPLY FROM 32-VOLT SYSTEMS

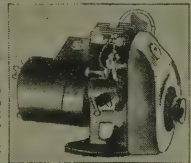
Delivers 6 Volt "A" current supply directly from 32 Volt D.C. systems. For all types of battery sets. When pilot light is used in your set, consider it as one 201A tube. Wt. 1 lb.
A2262. For 5 1/2 amp. tubes. NET
A2263. For 6 1/2 amp. tubes. EACH
A2264. For 8 1/2 amp. tubes. \$1.18
A2265. For 10 1/2 amp. tubes. NET
A2266. For charging 6 volt batteries from 32 volt systems. LIST, \$2.50. NET EACH..... \$1.47

New Windcharger and Rural Power



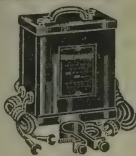
SEE PAGES 140-142 FOR COMPLETE LISTING OF AMERICA'S MOST DEPENDABLE 6 VOLT PLANTS AND WINDCHARGER. New perfected Rural Power Windcharger is fully described on Page 141.

NEW STANDARD AND DELUXE RURAL POWER 6 VOLT PLANTS ARE DESCRIBED ON PAGES 140 AND 142. More dependable; lower priced—the world's finest 6 Volt Plants.



NEW HOMCHARGER 5-3 AMP. BOOSTER

A new booster type battery charger for auto or home use at a low price. Has battery connector bracket for steering post mounting. Easy to hook up. Operates automatically with taper charge from 5 to 3 amperes. Filtered against radio interference. For 110 V. 60 cycles A.C. Shpg. wt. 8 lbs.



A10040. List, \$7.50. YOUR PRICE..... \$4.41

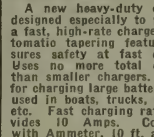
6 AMP. HOMCHARGER LARGE BATTERY CHARGER



A new vibrator type charger for all 6 volt storage batteries. Ruggedly made; self-polarizing; entirely automatic in operation. Charges quickly at 6 ampere rate. Works from 110 volt, 60 cycle A.C. current. With cord, plug, car clamp, and cables. Shpg. wt. 11 lbs.

A10041. List, \$12.50. NET..... \$7.35

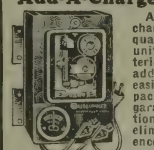
NEW HI-RATE HOMCHARGER



new heavy-duty charger designed especially to provide a fast, high-rate charge. Automatic tapering feature assures safety at fast charge. Uses no more total current than smaller chargers. Ideal for charging large batteries, as used in boats, trucks, buses, etc. Fast charging rate provides 10 Amps. Complete with Ammeter, 10 ft. approved cables, Delux dash receptacle. Shpg. wt. 15 lbs.

A10037. NET..... \$11.47

Add-A-Charger Homcharger



A revolutionary new charger of compact, high-quality construction. One unit will handle 2 to 3 batteries per 24 hour period; additional units may be easily added if greater capacity is desired. Ideal for garages, battery room stations, etc. Built-in filter eliminates radio interference; self-polarizing feature prevents "reverse" charging. circle A.C. operation. With

For 110 Volt, 60 A.C. cord, cables, clips, instructions, etc. \$12.49
A10038. NET.....

Serv-A-Charger Homcharger

A10039. Similar to the Add-A-Charger but with longer charging cable, and with charging plug instead of clips. A neat receptacle provided mounts on car dash, for charging car battery without removing floor boards. NET \$13.47

VESTA 6 VOLT STORAGE BATTERIES



Heavy-duty, solidly constructed, leak-proof batteries that deliver maximum power. Thick plates, carefully sealed cells; built for long, enduring, trouble-free service. With radio type terminals. (Not mailable; shipped express or freight.)

13 PLATE
A10013. Shpg. wt., 40 lbs. YOUR SPECIAL PRICE..... \$4.45

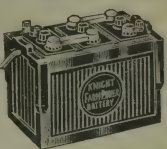
15 PLATE BATTERY
A10015. Shpg. wt., 42 lbs. YOUR SPECIAL PRICE..... \$5.45

HEAVY-DUTY 17 PLATE
A10017. Shpg. wt., 44 lbs. YOUR SPECIAL PRICE..... \$6.70

These batteries may be had with auto terminals at prices quoted. Send cash with order, and specify "with Auto Terminals."

SPECIAL 6 VOLT HEAVY-DUTY BATTERIES

Particularly designed for lighting service. Superior design and quality construction provide long, trouble-free service. Ideal for use with a Wind-charger or Rural Power unit; offers lighting service as convenient as that from power lines.



A10021. 17 PLATE. For radio and not more than 1-25 watt lamp or 2-15 watt lamps. Shpg. wt. 55 lbs. YOUR PRICE..... \$10.45

A10022. 21 PLATE. Medium duty. For radio and 2-25 or 4-15 watt lamps. Shpg. wt. 65 lbs. YOUR PRICE..... \$14.45

A10023. 25 PLATE. Heavy-duty. For radio and up to 3-25 or 6-15 watt lamps. Shpg. wt. 75 lbs. YOUR PRICE..... \$18.95

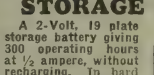
HEAVY DUTY GLASS CASE BATTERY



A deluxe heavy duty battery in neat transparent glass cases. Non-leaking; ideal for use as radio or lighting service battery. Built for a maximum of service; heat resistant; the glass case permits much heavier drain without case damage. Complete with charge hydrometer. Shpg. wt., 125 lbs. Ship express or freight only.

A10024. YOUR PRICE..... \$19.45

VESTA 2 VOLT RADIO STORAGE BATTERY

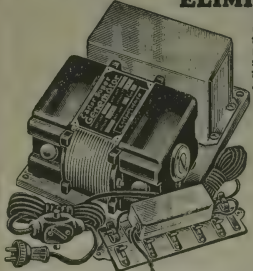


A 2-Volt, 19 plate storage battery giving 300 operating hours at 1/2 ampere, without recharging. In hard rubber container. Size, 7 1/2" x 1 1/2" x 3 3/4". Easy to charge. Cost of operation per hour is extremely low. Delivered in proper, safe voltage for an battery set using 2 volt tube types. Rubber nut and bolt terminals. Has heavy 1/2 inch plates. (Not mailable.)

A10012. Shpg. wt., 23 lbs. YOUR PRICE..... \$3.53

GENEMOTORS • CONVERTERS • GENERATORS

CARTER Heavy Duty GENEMOTORS ELIMINATE ALL "B" BATTERIES



Dq away with "B" battery expense. The Carter Genemotor operates directly from your "A" storage battery (or 32 Volt plant) and supplies all "B" voltages necessary for the operation of any battery radio. It is a small precision-built unit with an efficient self-contained filter system. Delivers smooth D.C. inexpensively.

TAPPED AT 22, 45, 67, 90, 135, 180 VOLTS

Ideal for home type battery sets. Voltage tap block provides 22, 45, 67, 90, 135, and 180 Volts for operation of any battery radio. Quiet in operation; does not require oiling or attention. Easy to install; compact, only 4 1/2" x 5 1/2" x 3" high. Will give years of good service. Wt., 9 lbs.

FOR 6 VOLT OPERATION

A9211. 6280F. Delivers 180 volts D.C. max., at 30 M.A. from 6 Volt storage battery. Drain 2.2 Amps.

A9215. 6220I. Delivers 200 volts D.C. max., at 40 M.A. from 6 volt storage battery. Drain 3 Amps.

FOR 32 VOLT OPERATION

A921A. 3280F. Delivers 180 volts D.C. max., at 30 M.A., from any 32 volt source. Draws 15 watts.

A9214. 3280H. Delivers 180 volts D.C. max., at 50 M.A. from any 32 volt light source. Draws only 18 watts.

List Each, \$22.50. **\$13.23**
NET EACH for Any One of Above Four Models.....

FOR 2 VOLT OPERATION

A9204. Model 2C. For use with a 2 volt storage battery. Delivers 135 volts at 25 M.A. Draws only 3.5 A. from battery.

List, \$23.50. **\$13.82**
YOUR PRICE.....

PIONEER GEN-E-MOTORS

Compact, efficient Gen-E-Motors of superior design, built to give long, trouble-free service. Having built-in filters, these units provide smooth, quiet "B" power for radio or amplifier applications. Bearings are sealed in grease, requiring no re-lubrication; entire unit is floated on rubber mountings, eliminating all vibration. May be quickly and easily installed by any one. Each unit measures only 2 1/2" x 3 1/2" x 3 1/2"; no appearing, rugged dust-proof metal case protects the unit from damage. Tapped for only one intermediate voltage. For use with 6 volt storage battery. Shpg. wt., 9 lbs.

A10220. 5138A. Delivers 135 volts D.C. at 30 M.A.; tapped at 67 1/2 volts.

A10221. 5180AT. Delivers 180 volts D.C. at 30 M.A.; tapped at 90 volts.

A10222. 5200AT. Delivers 200 volts D.C. at 40 M.A.; tapped at 90 volts.

A10223. 5250T. Delivers 250 volts D.C. at 50 M.A.; tapped at 90 volts.

List Each, \$18.50. **\$10.88**

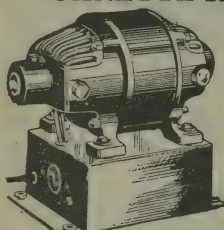
NET EACH.....

HEAVY DUTY MODELS

A10224. A larger unit than the above, built especially for heavy-duty use with amplifiers, P.A. systems, portable transmitters, or any similar application, which require a high D.C. voltage at high current levels. Built for long, trouble-free service, with a minimum of attention. Extremely compact; measures only 5 1/2" x 5 1/2" x 3 1/2"; entire unit is completely enclosed in non-appearing, rugged heavy metal case, giving full protection against damage. Operates from 6 volt storage battery; delivers 300 Volts D.C. at 100 M.A.; draws 9.5 Amp. from battery. Shpg. wt., 11 lbs.

A10225. Same as above, but with special filter for high gain amplifiers, to eliminate all possibilities of noise pick-up from the Gen-E-Motor. NET..... **\$21.75**

JANETTE ROTARY CONVERTERS



Efficiently converts D.C. current to constant 110 volt, 60 cycles A.C. Permits the operation of A.C. radio sets, sound systems, and other devices and appliances from 32 volt light plants or 110 volt D.C. lines. Compact, dynamically balanced, ruggedly designed, and built for long life. Very quiet in operation; practically no attention is required. The armature employs the superior dynamo type (double-wound) construction. The field frames are of high quality rolled steel and the field poles are laminated for the very highest efficiency. The easily removable grid covers protect the commutator slip rings and brushes. Quality construction throughout assures freedom from trouble.

WITH BUILT-IN FILTER

The Janette Rotary Converters listed below are equipped with special All-Wave interference filters, for all types of radio receivers. Assure exceptionally quiet reception results on all bands from 500 to 30,000 K.c. (10 to 547 meters). We can also supply converters for special voltages, frequencies or both. Please describe your requirements and we shall quote promptly.

32 VOLTS D. C. TO 110 VOLTS 60 CYCLE A. C.

Stock No.	Output Watts	Input Amps.	Mfrs. Type	YOUR PRICE
A10200	80	5.4	CA-25-F	\$24.41
A10201	110	6.5	CA-20-F	28.47
A10202	150	8.5	CA-18-F	31.56
A10203	300	15.0	C-13-F	44.25
A10204	400	18.0	CB-12-F	58.31

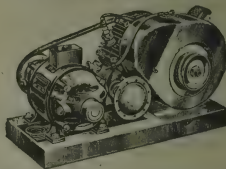
110-115 VOLTS D. C. TO 110 VOLTS, 60 CYCLE A. C.

Stock No.	Output Watts	Input Amps.	Mfrs. Type	YOUR PRICE
A10205	80	5.4	CA-25-F	\$26.41
A10206	110	1.9	CA-20-F	28.47
A10207	150	2.4	CA-18-F	31.56
A10208	300	4.0	C-13-F	44.25
A10209	500	6.4	CB-12-F	58.31

WE CAN SUPPLY

All other types of Janette converters, motor-driven and gas-engine generators, etc., at the lowest wholesale prices. Janette products are available in all types and sizes for A.C. radio, sound systems, neon signs and other special applications. Tell us about your needs and we will quote promptly on equipment best suited for them.

PIONEER GAS ENGINE DRIVEN GENERATORS



PROVIDE 110 VOLTS A. C.

Light, sturdy, dependable generators for supplying 110 Volts A.C. for all purposes, at minimum expense. Ideal for operating radios, sound systems, amateur stations, lighting systems, electrical appliances, etc. Also supplies low voltage D.C. for charging 6 volt storage battery. The 4 cycle type air cooled gasoline engine is made by a leading manufacturer. Special muffler reduces noise to a minimum. Built-in governor maintains constant 60 cycle current. Special brush construction assures long life with no commutator wear. Bearings are grease-sealed; require no attention. A.C. and D.C. leads are conveniently brought out to a connecting box.

300 WATT MODEL

A10215. The ideal unit for supplying current to small radio units, etc., where the power demand does not exceed 300 watts. Also supplies 50 watts D.C. for battery charging. Foot-pedal starter. Will operate 3 hours on one quart of gas. Extremely compact; measures only 20" x 11" x 11". Wt., 72 lbs. **\$59.95**

NET.....

600 WATT MODEL

A10216. A large, directly driven generator; will supply current up to a 600 watt load. Measures 37" long, 18" wide and 18" high. Hand-crank starter. Wt., 280 lbs. NET **\$123.75**

1000 WATT MODEL

A10217. Will supply sufficient A.C. for practically any purpose. Ideal for large sound trucks, radio transmitters, house lighting systems, etc. Measures 37" x 18" x 18". Wt., 280 lbs. **\$180.00**

NET.....

A10218. RADIO FILTER. Special filter for the Pioneer A.C. generator when it is used to supply power for radio or public address. YOUR PRICE..... **\$5.62**

CARTER COMPACT GENEMOTORS



EASY TO INSTALL

BUILT-IN FILTER

The smallest complete auto "B" eliminator made. Completely sealed, has built-in filter. Ball bearings eliminate oiling and adjustments. Easily installed, will deliver full efficiency from a 6 volt battery. May be mounted in any position. Measures only 2 1/2" x 4 1/2" x 5". Wt., 6 1/2 lbs.

135 VOLT MODEL

A9213. Operates from 6 Volt battery and delivers 135 Volts at 30 MA, tapped at 67 1/2 V. Draws 2.2 amps. Replaces 3 "B" batteries.

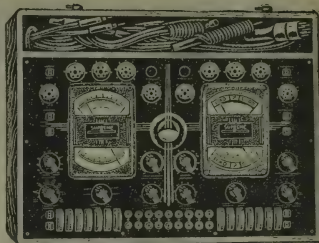
180 VOLT MODEL

A9212. Delivers 180 volts at 30 MA, tapped at 90 V. Works from 6 V. battery at drain of 2.6 amps. Replaces 4 "B" batteries. List. Each, \$16.50. **\$9.70**
YOUR PRICE.....
EITHER MODEL.....

New SUPREME Test Equipment

SUPREME 585 DELUXE DIAGNOMETER

- Complete professional service equipment in one compact unit.
- Complete flexibility provided by new Supreme Uni-construction.
- Complete analysis of all metal or glass type tubes.
- New double-view Quadrimeters with bi-indicating needles.
- New balance ratio tube testing circuits for increased accuracy in tube tests.
- New exclusive Supreme free reference point system of circuit analysis.



An entirely new and advanced professional service test instrument. Makes all types of service tests, quickly and accurately. Unparalleled for completeness, automatic speed and flexibility. Checks all circuits and components, as well as every type of metal or glass tube. All measurements of voltage, current, etc., as well as tube tests are read directly from two sensitive D'Arsenal meters with multiple scales. New Quadrimeters have bi-indicating needles and double-view windows for quick accurate readings. Multi-gang multi-point switches allow instantaneous selection of any desired meter range. Meters are accurately calibrated to read as follows: DC volts, 0-7-35-140-350-700-1400; AC volts, 0-7-35-140-350-700-1400; DC current, 0-7-35-140-350-700-1400 M.A., and 0-14 Amperes; capacity, 0-0.07-35-14-3.5-7.0-14.0 mfd.; Resistance, 0-2,000-20,000-200,000-2,000,000-20,000,000 ohms; with additional low reading scale of 0-200 ohms; Decibels, -10 to +6, 0 to +16, +10 to +25, +20 to +35, +30 to +46.

THIRTY-EIGHT FUNCTIONS AND RANGES

All tube tests are made with direct English-reading colored meter scales; GOOD-BAD scales are also used to indicate electrolytic condenser leakage. Capacity scales measure any paper, electrolytic, or mica condenser. Measurements of AC voltage are made on evenly-spaced A.C. scales, permitting extremely accurate readings. Exclusive new Supreme Free Reference Point system of analysis is used for testing radio circuits, taking care of the requirements of all octal or non-octal base tubes. Supreme's new Uni-Construction permits using a minimum of parts for a maximum of test circuits. Tube testing circuits incorporate a balance ratio between tube and circuit resistance values; meter indications drop in direct proportion to tube degradation. The new Model 585 Diagonometer is supplied in a handsome oak-finished case with leather carrying handle and removable hinged cover. Size 23x18x7" overall. Complete accessories, instructions and charts are furnished.

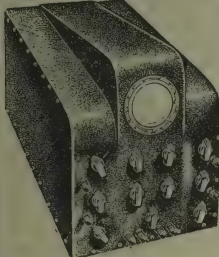
A10250.
YOUR NET PRICE.....

\$9500

A PORTABLE LABORATORY

The new Supreme 585 Diagonometer combines in one unit complete service test equipment. May be used for: Free Reference Point Analysis, English-reading tube tester for all metal or glass tubes, complete condenser tests and capacity measurements, and complete voltage and current measurements in any radio or amplifier circuit. New Uni-Construction makes possible greater "Dollar Value per Dollar Spent" than ever before. The Model 585 Deluxe Diagonometer may also be supplied for any AC voltage and current other than 110 V., 60 cycles at slight additional cost.

SUPREME 545 CATHORAY OSCILLOSCOPE



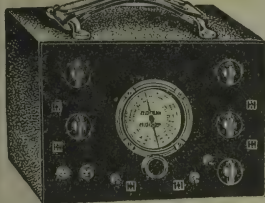
A new visual servicing instrument of extreme value to the Service Engineer for accurate alignment of all receiver circuits. An absolute necessity in servicing modern circuits with flat-top characteristics, for studying transients, wave forms, selectivity and audio response. Built-in horizontal and vertical amplifiers have a range of from 20 to 90,000 C.P.S. with a sensitivity of 100 volts per inch deflection; graduated gain controls for comparative tests. "Saw-tooth" oscillator has provisions for maximum linearity with a range of from 7 to 20,000 C.P.S. Intensity of pattern, focus, and centering are all variable by means of separate controls. external synchronizing voltage may be used in conjunction with Saw Tooth oscillator permitting maximum flexibility. Tubes used are 1-006, 1-885, 1-879, 2-57, and 1-80. Housed in protective steel case providing effective magnetic shielding. For 110 volts, 60 cycles A.C. With R.C.A. tubes.

Either internal or external synchronizing voltage may be used in conjunction with Saw Tooth oscillator permitting maximum flexibility. Tubes used are 1-006, 1-885, 1-879, 2-57, and 1-80. Housed in protective steel case providing effective magnetic shielding. For 110 volts, 60 cycles A.C. With R.C.A. tubes.

A10251.
YOUR NET PRICE.....

\$9109

SUPREME 580 DeLuxe SIGNAL GENERATOR

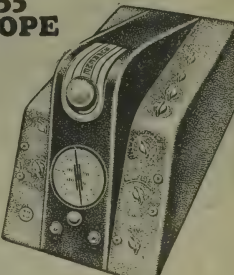


One of the finest all-wave signal generators available. A range of from 90 KC to 60 MC. Fundamentals cover all standard and Short-Wave frequencies from 90 KC to 20 MC; additional frequency coverage to 60 MC is provided for by use of harmonics. Has a variable R.F. output which may be frequency-modulated at a constant band width of 24 KC or amplitude-modulated, for use in visual alignment of circuits by means of an oscilloscope. Built-in beat audio oscillator, is accurately calibrated from 50 to 10,000 C.P.S. with less than 3% harmonic content. Provisions are also made for external amplitude modulation of R.F. carrier if desired. Built-in modulator permits 30% modulation of the carrier at 400 C.P.S. Tubes used are 1-6A7, 1-6P7, 1-76, and 1-84. Ladder type attenuator permits smooth control of R.F. carrier, calibrated to approximate micro-volt output. Carrier may be used either modulated or unmodulated; 400 cycle audio signal available for test purposes by means of pin jacks. Size, 14x10x5 3/4" overall. Supplied complete with tubes, accessories and full operating instructions.

For 110 volt, 60 cycle AC operation.
A10252.
YOUR NET PRICE.....

\$5385

SUPREME 555 DIAGNOMSCOPE



- The most complete Cathode Ray test instrument available.
- Built-in dual purpose all-wave Signal Generator with built-in modulator.
- Accurate visual alignment of every radio circuit with one unit.
- Full frequency coverage from 90 KC to 60 MC.
- Laboratory calibration provides greatest possible accuracy of all tests.

A Supreme development that represents the most outstanding service test instrument available today. Basically it represents a combination of the model 545 Cathoray Oscilloscope and the Model 580 Deluxe Signal Generator. An instrument as modern as tomorrow. Built-in dual-purpose signal generator of the direct-reading type provides fundamental frequencies of from 90 KC to 20 MC with harmonics extending up to 60 MC. Direct-reading audio beat oscillator is continuously variable from 50 to 10,000 cycles; less than 3% harmonic content. R.F. output of signal generator can be modulated 30% at 400 cycles, or used as unmodulated signal if necessary. Carrier can be frequency-modulated with a constant band width of 24 KC, or amplitude-modulated for accurate visual alignment of IF and auxiliary circuits.

COMPLETE VISUAL SERVICING

Transparent celluloid screen calibrated in KC off resonance in terms of visual modulated output for precise alignment of circuits under observation. Facilities are provided for shifting phase relation of input signal as an aid to study of Lissajou figures. Wave forms, transients, AC voltages, voltage gain, audio and harmonic distortion, percentage modulation, etc., may be studied or measured accurately by means of patterns projected on the cathode ray screen. Horizontal and vertical amplifiers have a range of 20 to 90,000 C.P.S. with graduated gain controls to aid in making comparative tests. Separate controls are provided for centering, focusing, and intensity of image. Linear time base oscillator of the "saw-tooth" type equipped with synchronizing and phasing controls has a range of 7 to 20,000 C.P.S. Diagonoscope uses 10 tubes, as follows: 1-006, 1-885, 1-879, 2-57, 1-6A7, 1-6P7, 1-76, and 1-84. The most complete, compact, accurate and flexible cathode-ray instrument available. Completely housed in metal cabinet. Size 16x14x28" overall. Supplied with full instructions and RCA tubes. For 110 V. 60 cycle AC.

A10253.
YOUR NET PRICE.....

\$14499

NEW TIME PAYMENT PLAN

Now you can own the latest Supreme Test equipment on a Pay-as-you-earn basis. Supreme offers through ALLIED an attractive time payment plan which enables you to purchase this fine service equipment with only a moderate down payment. Monthly payments can be met by increased profit gained through the use of modern servicing instruments. Write for complete details.

NEW SUPREME

550 DELUXE RADIO TESTER

- 29 Meter ranges for all voltage and current measurements.
- Free reference point analysis of all radio circuits.
- 5 accurate DB ranges—S resistance ranges with zero adjustment.

This new Supreme test instrument is a combination set analyzer and point-to-point tester. Provides complete circuit analysis of resistance, voltage and current as well as tube tests directly from tube sockets in set. Tests all metal and glass tubes. New Supreme $5\frac{1}{2} \times 7\frac{1}{4}$ Quadrimeter has dual windows and scales with actual length of 3 3/4". Scales are indirectly lighted from rear, making accurate readings possible under any lighting condition. Multi-contact switches make any of the 29 meter ranges instantly available; provides for complete and accurate analysis of the circuit under test.

- New supreme quadrimeter with double-view windows and double pointer.
- Electrostatic leakage test for condensers, with meter indication.
- Self-contained power supply for 110 volt 60 cycle operation.

Leakage of electrolytic condensers can be tested at rated working voltage. Supreme's famous Free Reference Point method of analysis enables complete checking of all circuit components. The Supreme Model 550 Deluxe Analyzer is supplied in a handsome oak case with removable hinged cover. Size 18 1/2 x 14 1/2 x 7 3/4" overall. Complete with test prods, cable and plugs, adapters, charts, and complete instructions. For 110 Volt 60/60 cycle A.C.

Provides Complete Circuit Analysis

All meter ranges including resistance and output measurements are applied through the analyzer cable making it unnecessary to remove the chassis from the cabinet. The following direct-reading scales are incorporated in the Supreme 550 Deluxe Analyzer: 0-7-35-140-350-700-1400 V. AC and DC;—at 1000 ohms per volt: 0-7-35-140-350-700-1400 M.A. DC; 0-14 Amperes (external only); 0-2000-20,000-200,000 ohms and 0-2-20 megohms;—10 to +5, 0 to +16, +10 to +26, +20 to +35 and +20 to +45 DB. Leakage of electrolytic condensers reads directly on meter dial; makes electrostatic leakage tests; all electrolytic condensers can be tested at rated working voltage. Supreme's famous Free Reference Point method of analysis enables complete checking of all circuit components. The Supreme Model 550 Deluxe Analyzer is supplied in a handsome oak case with removable hinged cover. Size 18 1/2 x 14 1/2 x 7 3/4" overall. Complete with test prods, cable and plugs, adapters, charts, and complete instructions. For 110 Volt 60/60 cycle A.C.

A10254.

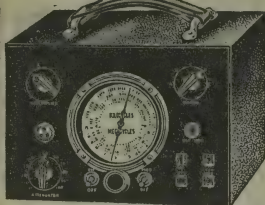
YOUR NET PRICE.....

\$54⁸³

CANNOT BECOME OBSOLETE

All current, voltage and resistance tests made with the Supreme Model 550 Deluxe Analyzer are fundamental and may be applied to any radio circuit; cannot become obsolete regardless of future developments.

570 SIGNAL GENERATOR



Complete frequency range 90 KC to 60 MC. Direct-reading full vision airplane type dial. Modulated or unmodulated RF output with calibrated output control. Operation is simple and permits accurate alignment of modern complex receiver circuits. Has complete frequency range from 90 KC to 60 MC covering all popular standard Short Wave, Broadcast and intermediate frequencies in seven frequency bands. Five bands cover 90 KC to 20 MC on fundamentals; two additional bands extend range to 60 MC by use of harmonics. Electronically coupled oscillator and complete shielding of major components for maximum stability under varying line voltage and load conditions. R.F. output is modulated 30% at 400 c.p.s. by self-contained modulator; either modulated or unmodulated output may be used and provisions are also made for use of an external modulator if desired. Lidder type attenuator with graduated control for gauging approximate micro-volt output. 400 cycle audio signal available for audio tests by means of tip-jacks. Completely shielded and filtered. Tip-jacks make possible the introduction of a frequency modulated signal from external source to aid in visual alignment when used with oscilloscope equipment. Housed in a strong portable metal case with leather carrying handle. Size 10 1/2 x 8 1/2 x 5 1/2" overall. For 110 Volts, 60/60 cycles.

A10256. YOUR NET PRICE.....

\$31³⁰

510 FOUNDATION KIT

A modern efficient Volt-Ohm-Milliammeter in complete kit form. Easily assembled and indispensable to the Serviceman, Experimenter or Amateur. The New Supreme Quadrimeter included employs a Bi-indicating or double pointer, centrally balanced and driven by a hi-torque 1 MA movement with a sensitivity of 1000 ohms per volt. Dual view windows each have an actual scale length of 3 3/4 inches, and may be indirectly illuminated by dial lights if desired. Easy-to-read scales are evenly spaced and clearly marked; sword-point needles permit accurate readings even in poor light. Meter measures $5\frac{1}{2} \times 7\frac{1}{4}$ inches with removable dustproof bakelite cover.

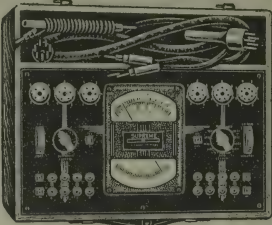
EIGHTEEN RANGES

The complete kit contains all essential parts for ranges as follows: 0-7-35-140-350-700-1400 volts A.C.; 0-7-35-140-350-700-1400 volts D.C.; 0-7-35-140 MA D.C. and 0-2,000-20,000-200,000 ohms. This unit can be built up as a portable Volt-Ohm-Milliammeter, or may be used to supplement or modernize existing test equipment. The kit consists of 1 New Supreme Quadrimeter, 1 Meter adjustment resistor, 3 metallized resistors for voltage and resistance ranges, 6 metallized resistors with 6 matching capacitors attached, 1 zero reset potentiometer, 1 A.C. rectifier and all necessary switches. Complete with diagram for proper assembly.

A10257. YOUR NET PRICE.....

\$17⁵⁹

540 STANDARD ANALYZER



Designed for complete and accurate analysis of all radio receivers, including those using the metal tubes, a remarkable test instrument that combines highest quality workmanship with features usually found only in more expensive equipment. The very latest in test instruments, the new Supreme Quadrimeter with double view windows and bi-indicating needles, prevents crowding a number of scales on one dial as in the past. The model 540 Standard Analyzer permits all tests by the Free Reference Point system as well as by the conventional analysis method. All meter ranges are selected by means of a single 12 point rotary switch in connection with a DPDT toggle switch.

COMPLETE TEST OF ALL CIRCUITS

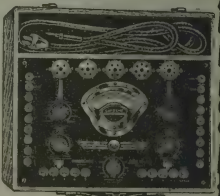
The Supreme Model 540 Standard Analyzer tests all voltage, current or resistance in any radio circuit. Meter ranges are: 0-7-35-140-350-700-1400 volts AC and DC; 0-7-35-140 MA DC; 0-2000-20,000-200,000 ohms. Low ohmmeter reading is 1 ohm with 35 ohm reading at center of scale. Analyzer is equipped with cable, plug and adapters for making conventional tube socket tests. Complete receiver analysis can be made without removing chassis from cabinet. Instrument panel finished in antique bronze. The Supreme 540 Standard Analyzer is housed in an attractive golden oak case with removable hinged cover and carrying handle. Size is 16 1/2 x 11 1/2 x 7 1/2" overall. Complete with cable, adapters, test leads, instruction manual and Free Reference Point Analysis chart.

A10255. YOUR NET PRICE.....

\$36²⁰

400 TUBE TESTER

A moderately priced tube tester that can be used for counter or portable applications. Tests all metal or glass tubes. English reading scale indicates whether tube is "Good"—"Questionable"—or "Bad". Complete test is also provided for inter-element shorts and for tube leakage by the use of a circuit employing a sensitive neon glow lamp. A filament return selector switch and tube sockets make all tests simply and with minimum of effort and time. Provision is made for matching tester to line voltage to insure proper potential at all times. The infallible "point to point" system of testing is also made available by the use of tip jacks and multi-range selector switch. Readable ranges are: 0-7-35-140-350-700-1400 volts D.C. at 1000 ohms per volt; 0-7-35-140-350-700-1400 MA D.C.; ohmmeter scales of 0-4,000-40,000-400,000 ohms. In hardwood carrying case with removable cover. Complete with accessories. For 110 V. 60 cycle A.C. Wt. 16 lbs.



Scale 5" meter. Meter ranges available are: 0-7-35-140-350-700-1400 volts D.C. at 1000 ohms per volt; 0-7-35-140-350-700-1400 MA D.C.; ohmmeter scales of 0-4,000-40,000-400,000 ohms. In hardwood carrying case with removable cover. Complete with accessories. For 110 V. 60 cycle A.C. Wt. 16 lbs.

A10262. NET

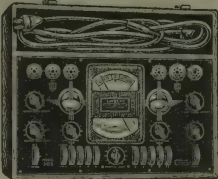
\$39¹⁵

Quality Merchandise—Lower Prices—Better Service

TEST EQUIPMENT

SUPREME 505 STANDARD TUBETESTER

Here is a high quality tube tester that will enable you to increase your tube sales. Low cost combined with maximum flexibility and accuracy; will pay for itself quickly through increased tube profits. Completely tests all metal or glass tubes in 6 sockets without adapters. All tubes tested under RMA rated loads. New Supreme Quadrimeter with Bi-indicating needles and indirectly illuminated dual-view windows makes this one of the finest tube testers available. Top meter scale has three sectors. "Good" "???" "Bad" for quality test to indicate emission loss; bottom scale divided into 100 divisions for close comparison checks between tubes of similar types. Built-in power supply has complete adjustment for varying line voltages.



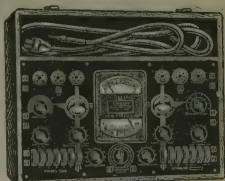
TESTS ALL TUBES UNDER LOAD

Accurate indication of the exact condition of any tube is made possible by testing under actual operating conditions, with load conditions conforming to RMA ratings. Full neon test for inter-element leakage quickly separates good tubes from bad. The Supreme 505 Standard Tester tests all sections of multi-purpose tubes and both plates of full-wave rectifiers. Housed in attractive hardwood case with carrying handle and detachable lid. Ideal for either home or portable use. Size 19x14x6 3/4". \$46.99

AI0259. Your Net Price. \$46.99

SUPREME 500 DELUXE TUBETESTER

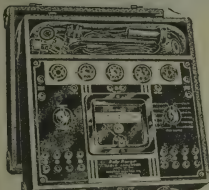
- TESTS ALL METAL OR GLASS TUBES INCLUDING NEW CATHODE RAY INDICATOR TUBES.
- CONTAINS VOLT-OHM-MILLIAMMETER WITH 20 SCALE RANGES.
- ELECTROSTATIC TEST FOR CONDENSERS.



Designed to meet every requirement of present day tube testing. Not only will this versatile instrument test all types of metal or glass tubes, but also tests all types of condensers and provides a multi-purpose meter for additional circuit analysis. Meter ranges available are: 0-7-140-700-1400 volts A.C. and D.C.; 0-7-140-700-1400 MA D.C.; 0-2,000-20,000-200,000 and 0-2-20 megohms; —6 to +6, 0 to +16 and +10 to +26 DB. The heart of the Supreme 500 Deluxe Tube Tester is the new Quadrimeter with indirectly illuminated dual view windows. Tubes are tested for quality under rated operating conditions; English-reading meter scale reads "Good" "???" or "Bad". Six sockets test all tubes. One octal socket tests all metal tubes regardless of filament connections by means of exclusive filament return selector switch. Neon test for internal leakage; also checks leakage of electrolytic condensers. Built-in power supply has simple accurate line voltage adjustment. Multi-meter ranges may be used for Free Reference Point Analysis by means of test leads supplied. Housed in attractive golden oak carrying case with slip-lined cover. Size 20 1/2 x 15 1/2 x 7" overall. Furnished with all necessary accessories, instructions and tube charts. For 98-125 Volt, 60 cycle A.C. \$65.60

AI0260. Your Net Price. \$65.60

SIMPSON ROTO-RANGER ANALYZER

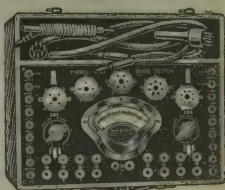


A new advanced analyzer with many exclusive features. Provides complete receiver analysis by the point-to-point method, or socket analysis through connecting cable without removing set chassis from cabinet. Ingeniously designed new Roto-Dial meter has 12 independent scales yet maintains single scale clarity of reading. Selector switch makes any of the ranges instantly available. Ranges are: 0-8-10-100 volts A.C. or D.C.; 0-1-2-10 MA D.C.; 0-100 ohms with center scale reading of 5 ohms; 0-50,000 ohms (center scale 1,400); and 0-2 megohms (center scale 21,000). Scales flash into view in synchronism with the range selector. Separate scales for each of the 12 ranges. Accuracy of reading is extremely high due to lack of crowding multiple scales on one dial. All A.C. voltage ranges are available for output circuit measurements. Supplied with a complete set of adapters, analyzer cable and plug, test leads and full instructions. Housed in Leatherette covered carrying case with detachable lid. Size 12"x12 1/2"x6". Wt., 22 lbs. \$48.92

A9273. YOUR PRICE \$48.92

SUPREME 450 RADIO TESTER

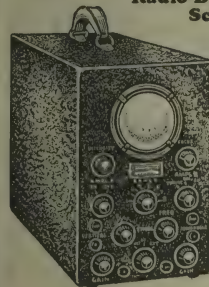
A complete radio tester using the exclusive Supreme Free Reference Point system of circuit analysis. Permits accurate measurement of voltage, current, and resistance directly from tube socket through analyzer cable and plug. Laboratory type 5" meter has sensitive D'Arsonval movement. Evenly spaced meter scales are easy to read on all ranges with maximum accuracy. Meter ranges are: 0-7-35-140-350-700-1400 volts AC or DC; 0-7-35-140-350-700-1400 MA DC; 0-100-40,000-400,000 ohms DC voltage ranges have a sensitivity of 1000 ohms per volt. All AC voltage ranges are available for output measurements without adapters. Circuit selector switch for rapid selection of desired meter range; zero reset provided for ohmmeter ranges. The Supreme Model 450 Tester represents an unusual value in high quality test equipment at a price that every Serviceman can afford. Housed in attractive hardwood carrying case, with removable lid. With accessories and instructions. Wt., 10 lbs. \$34.25



AI0261. YOUR NET PRICE \$34.25

CATHODE RAY OSCILLOGRAPH

For Service Engineers - Amateurs - Radio Dealers - Manufacturers - School Laboratories



A professional precision instrument well known and used in the Radio Service field it can be used to align IF and RF stages visually; indispensable in servicing modern circuits with flat-top characteristics. Measures selectivity, audio response, percentage modulation, audio distortion, wave forms, transients, etc. Invaluable to commercial and school laboratories, Radio Servicemen, Amateurs, etc. Built-in vertical and horizontal amplifiers equipped with gain controls for complete flexibility in any type of work. Self-contained power supply. Supplied complete with RCA tubes as follows: 1-906, 1-885, 1-879, 2-67, 1-30, 1-30. In rugged steel portable case. Wt., 68 lbs. With complete instructions.

COMPLETE WITH RCA TUBES

A9120. R.C.A. No. 9545 Oscillograph complete. For 110-120 Volt 60 cycle operation. YOUR PRICE \$84.50

A9121. R. C. A. No. 9640. Same as above but for 110-120 Volt 25 cycle. YOUR PRICE \$110.00

OPERATING INSTRUCTIONS AND SERVICE NOTES

A very detailed booklet which fully discusses the theory and operation of the RCA Cathode Ray Oscillograph.

A7619. 25c

TEST OSCILLATOR

(RCA) NEW MODEL TMV-97-C

A portable full-range self-contained All-Wave Oscillator for accurately aligning all types of receivers. New features include a jack on front panel for external sweep circuit for cathode-ray oscillograph use and a jack for external modulator or heterodyne detector. Has a direct-reading dial calibrated in kilocycles. Covers 8 ranges, from 90 to 25,000 KC; accurate within 3%. Modulated with 400 cycle note. An attenuator gives complete control of output. In black aluminum case, 6 1/2 x 9 1/2 x 7 1/2". Weighs 5 1/2 lbs. complete. Requires 1-23 1/2 "V, "B": 1-4 1/2 "V, "C".

A7592. TMV-97-C Oscillator, 2-30 tubes \$34.50

RCA FREQUENCY MODULATOR

For use with a test oscillator such as the RCA TMV-97-C and the RCA Oscillograph. Enables you to visually align all R.F. and I.F. circuits. Contains a two-section tuning capacitor and an impulse generator. In compact metal case, 6 1/2 x 9 1/2 x 3 1/2". Weighs 5 1/2 lbs. For use on 110 volts, 60 cycles. A9456. With 14" low capacity cable. NET \$27.50

No. 4317 OUTPUT INDICATOR

A compact neon visual output indicator for use with any oscillator when aligning radio receivers. Bakelite case, 6 1/2 x 9 1/2 x 2 1/2". A7594. YOUR PRICE \$4.00



TRIPLET Master Test Equipment

MODEL 1200-A MASTER VOLT-OHM-MILLIAMMETER



A compact universal A.C.-D.C. Volt-Ohm-Milliammeter with many new features. Twin meters in single case have separate A.C. and D.C. movements. Exceptionally accurate D.C. meter reads: 0-10-50-250-500-1000 volts at 2000 ohms per volt; 0-1-10-50-250 M.A.; 0-1500 ohms-1.5 meg-3 meg. Has a **tilting** and "Backup" low-ohm scale of 0-500 ohms with 15 ohm center scale reading. Backup scale permits low resistance checking with minimum contact error. A.C. meter reads: 0-10-50-250-500-1000 volts. Meter may be tilted and read at any angle; all voltage scales are direct-reading; ohmmeter scales have individual adjustments; with scale selector switch for rapid operation. Metal case 7"x6"x4".

With leads, prods, and instructions. Shpg. wt., 15 lbs.
A9331. List, \$32.50. NET

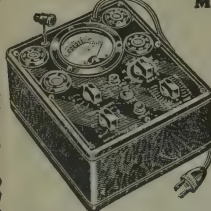
\$2123

MODEL 1200-B

A9334. Similar to Model 1200-A above but with additional 2 V. A.C. range for measuring output, gain, etc. Ohmmeter scales: 5 to 500, 0-1.5-3 meg. Complete with batteries. Shpg. wt., 10 lbs. List, \$40.00. NET.

\$26.14

MODEL 1210-A MASTER TUBE TESTER



Tests all types of tubes, metal as well as glass. Emission type design with 4 or 5 sockets for making all tests. Reads "GOOD" and "BAD" directly on 3 1/2 inch D'Arsonval meter scale. Indicates short and leakage tests direct on meter. A line voltage regulator is built-in. Simple to use; tests all tubes quickly and accurately. Supplied with rectifier tube. Operates on 100-130 volts, 60 cycle current. In new metal case, 7"x6"x4 1/2 inches. Shpg. wt., 13 lbs.

A9334. The Triplett Model 1210-A Master Tube Tester with instructions. List, \$30.00. NET.

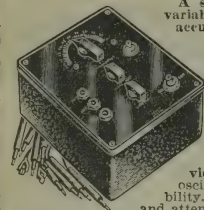
\$19.60

1211-A COUNTER TUBE TESTER CASE

A9345. Attractive quarter-oak counter case especially designed for 1210-A Tester. Sloping panel with charts. Will help sell more tubes. List \$6.00. NET.

\$3.92

MODEL 1230 MASTER ALL-WAVE SIGNAL GENERATOR

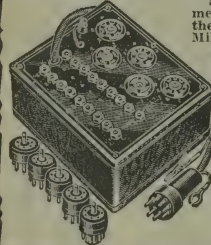


A stabilized frequency, continuously variable Signal Generator for use in accurately aligning all types of receivers. Furnishes frequencies from 100 K.C. to 18,000 K.C. in six ranges. Type 30 tube used as audio oscillator generates clear 400 cycle note. A separate 30 tube is used as R.F. oscillator in a special frequency stabilized circuit. 1-22 1/2 V. and 3-1 1/2 V. batteries furnish tube current. Oscillator is independent of line leakages. All parts are individually shielded. Power taken from oscillator does not upset circuit stability. Output is controlled by 3 jacks and attenuator. In metal case.

A9337. Complete with tubes and batteries. Shpg. wt., 15 lbs. List, \$23.00. NET.

\$15.02

MODEL 1220-A MASTER FREE-POINT TESTER



Serves all types of circuits using metal or glass tubes. For use with the Model 1200-A Master Volt-Ohm-Milliammeter. Makes proper voltage tests between any tube elements, current tests in series with any tube element, and resistance tests between any tube element or socket contacts. Panel contains 4, 5, 6, combination 7 prong, and 8 octal, sockets. Eight automatic switch type and ten single action jacks permit insertion of meter leads for all tests. With 7 prong latch plug and 5 adapters. In new metal case.

A9336. List, \$15.00. NET.

\$9.80

MODEL 1250 MASTER VACUUM TUBE VOLTMETER

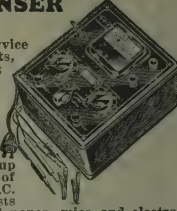


A new laboratory type instrument of special design and high accuracy. Will give a precise reading of A.F., low A.C. and D.C. voltages. Useful for determining Signal Voltages in IF Amplifier stages; signal-gain per stage; automatic volume control voltages, etc. New bridge circuit design using 1-8C6, 1-76 and 1-54; eliminates errors due to changes in tube characteristics; calibration is always correct. High-resistance input draws negligible current from circuit under test. Meter is of the Triplett tilting type. Twin meter, combining a sensitive galvanometer and a three range voltmeter reading 0-2.5-10-50 Volts. For 110 Volts 60 cycle A.C. operation. Supplied with special low-capacity shielded test lead, with prod; test lead and prod for low potential side of circuit, and test lead with clip for ground-chassis connection. Measures 7"x6"x4 1/2". Complete with tubes. Shpg. wt., 13 lbs.

A9321. List, \$50.00. NET.

\$32.67

MODEL 1240 CONDENSER TESTER



A precision instrument for the Service Engineer. Accurately tests for shorts, opens, and high resistance leakages; capacities of unmarked condensers may be easily and quickly determined. Shadow type meter permits exact line voltage adjustment for critical readings; condition of condenser is shown on accurate Triplett Micro-Ammeter. 120 voltages for breakdown tests available up to 1000 volts; intermediate voltages of 2, 20, 60, 200 and 600 volts. A.C. voltages for open and capacity tests available in same steps. Checks all paper, mica and electrolytic condensers. Scale ranges, .0001 to .05, .005 to .6 and .05 to 10 mfd. For 110 volts 60 cycle A.C. operation. In handsome metal case; measures 7"x6"x4 1/2". Complete with tubes. Shpg. wt., 10 1/2 lbs.

A9322. List, \$37.25. NET.

\$24.33

MODEL 1260 MASTER AUDIO FREQUENCY OSCILLATOR



The ideal instrument for testing all audio amplifiers, speakers, etc.; fidelity curves may be easily and quickly run, using this oscillator and a good output meter. New circuit makes use of the feed-back type oscillator to produce a pure sine wave at 10 different frequencies which are amplified and fed to a Universal output transformer, arranged to match any amplifier input. Smooth, positive gain control. Frequency selector switch is calibrated 100-250-500-1000-2000-3000-4000-5000-7500 and 10,000 cycles, giving adequate frequency range for full test of fidelity. In attractive metal case measuring 7"x6"x4 1/2". For 110 Volts 60 cycle A.C. operation. Complete with tubes. Wt., 14 1/2 lbs.

A9335. List, \$42.50. NET.

\$27.77

MODEL 1231 MASTER ALL-WAVE SIGNAL GENERATOR



A stable, accurate direct-reading All-Wave signal generator of new design and sturdy construction. Vernier type 12" dial-scale permits extremely fine readings on each of the six fundamental frequency ranges; calibrated from 100 to 30,000 K.C. 400 cycle audio signal is available at separate jacks for audio tests. Perfect, smooth operation. In handsome crystalline finished durable metal case.

A9326. Master All-Wave Direct-Reading Signal Generator for battery operation. Complete with two 30 tubes and batteries. Shpg. wt., 15 lbs.

List, \$35.00. YOUR PRICE

\$22.86

MODEL 1232

A9327. Same as Model 1231 above, but for operation from 110 volts 60 cycle A.C. lines. Of particularly sturdy construction—will stand much hard usage and service. List, \$37.50. NET.

\$24.50

See next page for Complete Master Test Sets and Master Unit cases.

Universal TEST EQUIPMENT

NEW MODEL 1181-A PORTABLE LABORATORY TESTER

An absolutely modern tester which combines three instruments in one case for complete circuit analysis. Includes: (1) the precision Model 1151 All-Wave Oscillator for aligning all sets and for tube testing; (2) the Model 1125 Universal Volt-Ohm-Milliammeter for point-to-point analysis and as output meter; (3) the Model 1165A Free-Point Auxiliary Set Tester for free-point and standard analysis tests. These three high quality instruments enable you to make point-to-point tests, standard circuit analysis and overall performance tests on all circuits.

THREE GREAT TESTING SYSTEMS IN ONE

The new 1181-A Portable Laboratory Tester makes point-to-point analysis without removing the chassis from the cabinet. Quickly and accurately measures voltages, resistances and currents between any two circuit points. For conventional analysis both Auxiliary Tester and Volt-Ohm-Milliammeter are employed. Quickly localizes circuit troubles. Overall performance of any set is easily checked by the All-Wave Oscillator and output meter portion of the Volt-Ohm-Milliammeter. Permits accurate circuit alignment and definitely locates causes of intermittent reception. Charts are supplied for direct capacity measurement.

FOR ALL SETS—METAL AND GLASS TUBES

The 1181-A Tester is ultra-modern; it will handle all metal tube as well as glass tube circuits. Meter scales read as follows: 0-15-150-750 Volts A.C. or D.C. at 1000 ohms per volt; 0-1.5-15-150 M.A., D.C.; 0-15-150 M.A., A.C.; 0-1500-15 meg.-3 megohms, oscillator has four ranges from 110 K.C. to 18 M.C. Auxiliary set tester has 4, 5, 6, 7 prong and 8 prong octal sockets with jacks for all analyses.

COMPLETE MODEL 1181-A

The 1181-A Tester constitutes a compact complete radio service test laboratory. Size, $16\frac{1}{2} \times 4\frac{3}{4} \times 7\frac{1}{2}$ ". Furnished complete with batteries, adapters, accessories, and instructions. Shpg. wt., 20 lbs.

A9330.
List, \$57.00.
YOUR PRICE

\$3724

MODEL 1180 PERPETUAL TESTER



A professional instrument designed to meet precision service standards. Combines a Model 1151 hand-calibrated shielded All-Wave Oscillator and a Model 1125 Universal Volt-Ohm-Milliammeter in a single oak carrying case. The Oscillator generates a modulated or unmodulated signal for complete alignment of all receivers.

ALL-WAVE OSCILLATOR—VOLT-OHM-MILLIAMMETER COMBINED IN ONE CASE

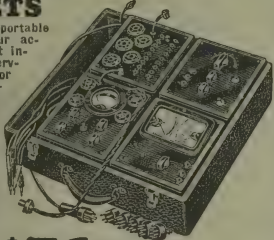
The 1180 Perpetual Tester will check the overall performance of any receiver. Universal Meter reads: 0-15-150-750 Volts A.C. or D.C.; 0-1.5-15-150 M.A., D.C.; 0-15-150 M.A., A.C.; 0-1500 ohms—1.5-3 megohms. Selector switch on panel chooses ranges quickly. A zero adjustment knob for the ohmmeter, an A.C.-D.C. switch and four tip jacks are also provided. The All-Wave Oscillator has four bands covering 110-1500 K.C.; 500-3000 K.C.; 2-2000-5-500 K.C.; and 5-15-18-1800 K.C. Complete shielding eliminates all radiation except through output jacks on oscillator. Completely operated from self-contained 22½ V. battery and 2—1½ V. flashlight cells. Supplied with test leads, prods, leads and instructions. Shpg. wt., 20 lbs.

A9329. List, \$45.00. NET

\$2940

COMPLETE MASTER UNIT TEST SETS

A professional complete portable laboratory consisting of four accurate and versatile Triplett instruments. Designed to service all circuits using metal or glass tubes. Each instrument is described in detail on page 54. All four are housed in compact leatherette case as illustrated.



MODEL 1205-A

Consists of: Model 1200-A, Model 1210-A, Model 1220-A, and Model 1230 Master units in leatherette case, 17x17x5½". Complete with test leads, adapters, instructions, etc. Shpg. wt., 36 lbs.

A9338. List, \$109.50.

YOUR PRICE

\$7154

MODEL 1206

Same as 1205-A but with Model 1231 Master All-Wave Signal Generator instead of Model 1230. Complete with instructions.

A9341. List, \$121.50.

YOUR PRICE

\$7938

MODEL 1207

Similar to 1205-A and 1206 but with new Model 1232, 110 V., A.C. Master All-Wave Signal Generator. With instructions.

A9344. List, \$124.00.

YOUR PRICE

\$8102

MASTER UNIT CASES

You can make up any type of combination Portable Test Laboratory by using these handsome cases to house any of the Triplett Master Unit Instruments shown on Page 54.

For portable use. Leatherette covered; with extra compartment.

A9332. FOR SINGLE UNIT. List, \$6.00.

NET

A9339. FOR TWO UNITS. List, \$7.00.

NET

A9340. FOR THREE UNITS. List, \$8.00.

NET

A9333. FOR FOUR UNITS. List, \$9.00.

NET

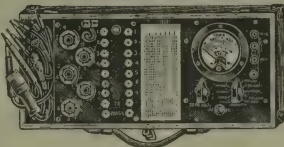
\$3.92

\$4.57

\$5.22

\$5.88

NEW MODEL 1167-A UNIVERSAL SELECTING ANALYZER



Ideal for making complete receiver analysis by either point-to-point method or standard analysis method. Consists of Model 1166-A Auxiliary Set Tester and Model 1125 Universal Volt-Ohm-Milliammeter in a single oak case.

FOR METAL AND GLASS TUBE SETS

Has the new octal socket and adapter to test metal tube circuits in addition to sockets for all glass tube circuits. A plug-in cable brings all set circuits to the 5 sockets on the panel; tip jacks permit external use of meter terminals for complete analysis.

A9325. 1167-A UNIVERSAL SELECTING ANALYZER. In oak case, 16½x7½x4½". Complete with plugs, cords, adapters and instructions.

Shpg. wt., 20 lbs.

List, \$37.50.

NET

\$2450

MODEL 1166-A FREE-POINT AUXILIARY SET TESTER

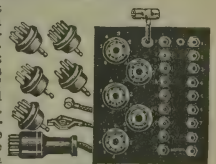
Permits complete free-point circuit analysis when used with Model 1125 Volt-Ohm-Milliammeter. Consists of panel containing 4, 5, 6, 7 prong and 8 prong sockets, with all circuits brought out to jacks on face of panel. Cable and plug bring all set socket connections to panel. Complete voltage, current, resistance and continuity tests may be made without removing the chassis. Comes complete with adapters and instructions. Less case. Shpg. wt., 10 lbs.

A9324.

List, \$15.00.

NET

\$980



WITH CASE

Model 1166-A in oak carrying case.

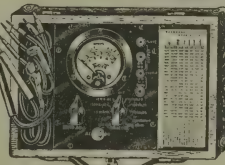
A9323.

List, \$18.50.

NET

\$1208

MODEL 1125 UNIVERSAL A.C.-D.C. VOLT-OHM-MILLIAMMETER



Designed to measure both A.C. and D.C. voltages and currents, and resistance. Sensitive D'Arsonval meter is mounted on panel with selector switch for choosing ranges. Reads: 0-15-150-750 V. A.C. and D.C.; 0-1.5-15-150 M.A., D.C.; 0-15-150 M.A., A.C.; 0-1500 ohms-1.5 meg.-3 megohms. Volt meter resistance is 1000 ohms per volt for all ranges. Supplied with chart for accurate capacity measurements.

Ideal for use with Model 1166-A Auxiliary Set Tester to make a complete free-point analyzer. With test leads, prods, batteries and instructions. Shpg. wt. 15 lbs.

A9320. List, \$30.00. NET

\$1960

TRIPLETT TESTERS

MODEL 1503 MULTI-PURPOSE TUBE TESTER



- Nine Instruments in One
- Checks All Metal or Glass Tube Types
- Tests Paper and Electrolytic Condensers
- Provides Full Circuit Analysis

A remarkable, new Multi-Purpose instrument of extraordinary design and construction. Tests all metal and glass tubes quickly and accurately, and also provides for adequate circuit analysis. Checks tubes for gain and power output under actual operating conditions.

NINE INSTRUMENTS IN ONE

The 1503 Tester provides an ideal combination of nine separate instrument functions: Shows condition of all tube types mainly on large "GOOD-BAD" scale; gives Neon short tests. Neon paper condenser tests, tests for electrolytic condenser leakage. The meter is also calibrated to give the following Volt-Ohm-Milliamperes readings: 0-10-50-250-500-1000 Volts D.C.; 1,000-10,000-100,000 ohms—10 megohms; —10 to +15 Decibels; 0-10-50-250-500-1000 Volts A.C.; 10-50-250 M.A.-D.C. Meter sensitivity is 1000 Ohms per Volt on D.C. and 400 Ohms per Volt on A.C. Housed in a handsome 3-ply two-tone walnut case. With sloping panel and removable cover. Suitable for counter or portable use. Measures $15\% \times 1\frac{1}{4} \times 7\frac{1}{4}$ ". Shpg. wt., 26 lbs. For 110 V. 50-60 Cycles A.C. **\$45.74**

A9343. List, \$70.00. NET.....
A9609. MODEL 1504. A new addition to the 1500 series. Identically the same as Model 1503 above with added provision for circuit analysis. Equipped with free-point tester sockets and jacks instead of the etched metal slide panel carrying tube readings as on the 1503. For 110 V. 60-60 cycles A.C. **\$55.54**
List, \$85.00. NET.....

MODEL 1502 POWER OUTPUT TUBE TESTER

A deluxe tube tester of superior design and construction, similar to Model 1503 above, but without the Volt-Ohm-Milliammeter features. Intended for tube tests only. Tests all metal and glass tubes quickly and accurately. Makes Neon short and leakage test between all tube elements. Checks gain and power output of tubes under actual operating conditions. English-reading meter scale reads "GOOD" or "BAD." Simple to operate. Housed in attractive walnut case, with inclined panel and removable cover. Case measures $15\% \times 1\frac{1}{4} \times 7\frac{1}{4}$ ". For 110 Volt 50-60 cycle A.C. operation. **\$35.94**
Shpg. wt., 26 lbs.

A9342. List, \$55.00. YOUR PRICE.....

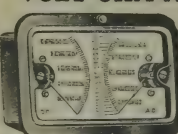
NEW MODEL 666 VOLT-OHM-MILLIAMMETER



A new and improved service instrument of precise design and superior construction. Built around a sensitive Microammeter movement, it will accurately indicate values for Volts, Ohms and Milliamperes. Compensated copper-oxide rectifier provides measurement of A.C. Voltages. Meter scale reads: 0-10-50-250-500-1000 Volts D.C.; 0-10-50-250-500-1000 Volts A.C.; 0-1-10-50-250 M.A. D.C.; 0-300-250,000 Ohms. Higher resistance readings may be obtained with external battery. Meter sensitivity for both D.C. and A.C. voltages is 1000 Ohms per Volt. Panel carries three controls: A.C.-D.C. toggle switch, rotary meter-range switch and zero-adjuster. Furnished complete with battery, leads, alligator clips and instructions. Measures only $3\frac{1}{2} \times 5\frac{1}{2} \times 2\frac{1}{2}$ ". Wt. 4 lbs. **\$14.70**

A9601. List, \$22.50. YOUR PRICE.....

TRIPLETT MODEL 1200 VOLT-OHM-MILLIAMMETER KIT



A complete kit of parts for Service Engineers who wish to build their own Triplett Model 1200 Master Universal A.C.-D.C. Volt-Ohm-Milliammeter. Kit includes: the new Twin meter with separate A.C. and D.C. movements, of 2% accuracy; marked panel plate, all necessary series and shunt resistors, switches, ohms-adjuster rheostats, and complete instructions and blue prints. Meter reads: 0-10-50-250-500-1000 Volts D.C. at 2000 Ohms per Volt; 0-1-10-50-250 M.A.; 0-1500 ohms—1.5-3 megohms. Dual meter measures $4\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ inches; the serviceman. An ideal outfit for **\$16.33**

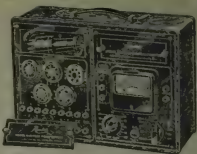
A7950. Complete kit of all necessary parts as described above. Shpg. wt., 10 lbs. YOUR PRICE.....

NEW RANGER INSTRUMENTS

FREE POINT TESTER AND VOLT-OHM-MILLIAMMETER

MODEL 640-740

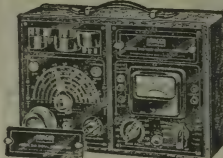
An entirely new precision service instrument. A combination unit consisting of a Free Point Tester (Model 640) and a Volt-Ohm-Milliammeter (Model 740). With this combination you are able to make all voltage, current or resistance tests, by direct contact through test leads or by the free-point plug-in method. The meter is a Triplett precision instrument, reading: 0-10-50-250-500-1000 Volts A.C. or D.C., at 1000 Ohms per Volt; 0-10-50-250 M.A.; 0-300-250,000 ohms. Meter accuracy is 2% on D.C., 5% on A.C. Five sockets on the free-point unit handle any type glass or metal tube. Nine pairs of jacks provide quick connection to any part of circuit under test. Furnished in handsome metal case, with built-in accessory compartments. Measures $11\frac{1}{2} \times 7\frac{1}{2} \times 4\frac{1}{2}$ ". Has handle for carrying. Black electro-enamel silver markings.



A9602. List, \$45.00. **\$26.46**
YOUR PRICE.....

ALL-WAVE SIGNAL GENERATOR AND VOLT-OHM-MILLIAMMETER

MODEL 540-740



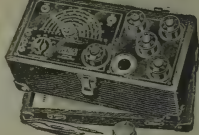
Two handy service instruments in one: a direct reading All-Wave Signal Generator and a handy, accurate Volt-Ohm-Milliammeter. 3" square type Triplett precision meter reads 0-10-50-250-500-1000 Volts A.C. and D.C., with meter sensitivity of 1000 ohms per volt; 0-1-10-50 M.A.; 0-300-250,000 ohms. The Model 540 All-Wave signal generator uses five plug-in coils to cover from 110 to 20,000 KC, all fundamental frequencies.

Dial is accurately calibrated, easy to read; calibrations are accurate to 1% for broadcast bands and to 3% for short wave bands. Completely shielded; signal may be modulated or unmodulated. Attenuation is smooth and positive. Complete with 2-30 tubes and necessary batteries, in handsome metal case. Measures $11\frac{1}{2} \times 7\frac{1}{2} \times 4\frac{1}{2}$ ". **\$35.28**

A9605. List, \$60.00. **\$35.28**
YOUR PRICE.....

MODEL 557 SIGNAL GENERATOR

A new All-Wave Oscillator with many desirable features. Direct-reading, has precision accuracy—less than 1% for the broadcast band and 3% for short waves. Well-protected, sturdy plug-in coils are used to supply a frequency range of from 110 to 20,000 KC, in five bands. Complete shielding eliminates radiation. Modulation may be switched off when a pure note is desired. Attenuation is smooth and positive. Enclosed in a substantial black leatherette case measuring $12\frac{1}{2} \times 6\frac{1}{2} \times 5\frac{1}{2}$ ".



A9603. Complete with tubes and batteries. List, \$30.00. **\$17.64**
YOUR PRICE.....

MODEL 735 VOLT-OHM-MILLIAMMETER

A complete, handy Volt-Ohm-Milliammeter of convenient small size; may be easily carried in a coat pocket or in the tool kit. Meter is a Triplett D'Arsonval type instrument with 2% accuracy, with scales for reading 0-15-150-750 Volts D.C.; 0-1.5-15-150 M.A.; .5-1000-100,000 ohms. Housed in a sturdy molded black case, measuring only $9\frac{1}{2} \times 5\frac{1}{2} \times 2\frac{1}{2}$ ". Has black and silver panel. Supplied with battery, leads and test clips.

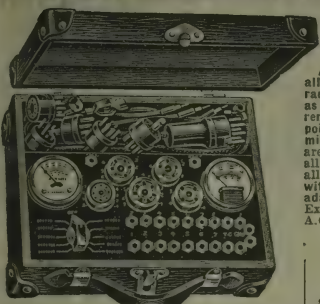


A9604. List, \$18.00. **\$10.58**
YOUR PRICE.....

Readrite

TEST EQUIPMENT

NEW READRITE MODEL 720-A POINT-TO-POINT ANALYZER

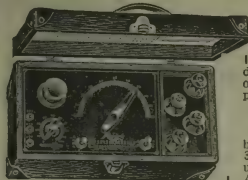


The Readrite Model 720-A Analyzer is housed in a sturdy leatherette case, 10 3/4" x 4 1/2" x 8 1/2". With removable hinged cover. Shipping weight, 12 lbs.

NEW MODEL 730-A

Same as the Readrite 720-A but with Triplett 1,000 ohms per volt DC Voltmeter. A9277. Complete in case with instructions. List, \$31.00.
NET **\$18.23**

NEW READRITE 554-A ALL-WAVE SIGNAL GENERATOR



The new Readrite 554-A Signal Generator is neatly housed in a leatherette carrying case with removable hinged cover. Size, 12x 6 1/2 x 5 1/4 in. Batteries are self-contained. A fine quality, low-priced signal generator designed to take care of all present and future requirements. Shpg. wt., 12 lbs.

A new 1936 Readrite completely shielded All-Wave Oscillator. Tube-modulated and battery-operated. Plug-in coils are used to give complete coverage on five overlapping fundamental bands, from 100-20000 K.C. For additional frequency bands to meet future requirements, it is only necessary to add new coils. The extra-large scale permits accurate frequency settings.

5 BANDS: 100-20000 K.C.

Calibration curves are supplied for each of the five bands: 100-350 K.C.; 350-1050 K.C.; 940-3700 K.C.; 3300-10800 K.C.; 8800-20000 K.C. Two type 90 tubes are used—one as H.F. oscillator and one as audio oscillator. A modulation "on" and "off" switch is provided. A variable attenuator on front panel varies oscillator output over entire range. Circuits are thoroughly stabilized for dependable operation. The new Readrite 554-A Signal Generator permits complete alignment of all types of radio receivers, furnishing all Short Wave, Broadcast, and Intermediate frequencies.

A9286. Complete with coils, tubes and batteries. List, \$24.00.
NET **\$14.11**

NEW 710-A READRITE ANALYZER



A new Readrite Standard Analyzer which completely and accurately tests all parts of all metal and glass tube receiver circuits. Meters may be connected into various parts of the circuit for testing plate, filament, grid, screen and line voltages and currents. A 4 1/2 volt battery is required for testing continuity and resistance of all resistors, chokes, transformers, etc., without removing the radio chassis from the cabinet. Charts are provided for use in testing condensers and for measuring resistances up to 100,000 ohms. Meters are accurate to within 5%.

FOR ALL OCTAL AND GLASS TUBE CIRCUITS

Four sockets are provided to accommodate all metal and glass tubes. The analyzer cable is equipped with a small-size latch-type plug and adapters to fit all sets. The three meters provide the following readings: 0-20-50-300-600 Volts DC; 0-10-140-700 Volts AC; 0-15-150 M.A. DC. External jacks are provided for using these nine scales separately. 12 position selector switch connects the meters into various parts of circuit under test. In leatherette case, 10 3/4" x 8 1/2" x 4". Shpg. wt., 12 lbs.

A9275. Complete with plug, cable, and instructions. List, \$27.50.
YOUR PRICE **\$16.17**

MODEL 712-A

Same as 710-A described above, but with 1000 ohms per volt Triplett d'Arsonval DC meter. Voltmeter reads: 0-15-60-300-600 Volts. In leatherette case. Shipping wt., 12 lbs.
A9280. Complete with plug, cable, and instructions. List, \$37.00.
NET **\$21.76**

TESTS FOR LEAKS AND SHORTS



TESTS
ALL
NEW
METAL
TUBES

NEW READRITE 430 TUBE TESTER

A brand new, inexpensive direct-reading Tube Tester. Quickly and accurately determines condition of all metal and glass type tubes. Two meters are provided: one is a Triplett Model 221 meter with "GOOD-BAD" scale; the other is shadow-type AC meter for adjusting line voltage. Simple to operate for accurate tests. Applies actual load values to tube under test. Has five sockets which handle all 4, 5, 6, 7 and the new 8 prong Octal tubes. Up-to-date in design and performance. Checks all tube types completely and accurately.

TESTS NEW METAL & ALL GLASS TUBES

The new Readrite 430 Tube Tester checks all Octal base metal tubes as well as every existing glass type. Shows condition of tube as "GOOD" or "BAD" on English-reading meter. Tests for shorts and leakage are read directly on meter. Meter is protected against damage. Controls are provided for adjusting proper line voltage, filament voltage and tube load. An additional control selects proper tube socket connections. Actual tube test is made by pressing a single button. The Readrite 430 Tube Tester is attractively housed in a quartered oak case with removable cover and sloping all-metal lithographed panel. Ideal for either portable or counter use. Shpg. wt., 17 lbs. Increase your test sales business with the new Readrite 430 Tube Tester which completely checks the condition of all metal and glass tubes.

MODEL 431

As described above, but with accurate Readrite "GOOD-BAD" English-reading meter in place of Triplett meter. Complete with cord and plug and instructions. For 110 Volt, 60 cycle AC operation.

A9287. List, \$24.00.
YOUR PRICE **\$14.11**

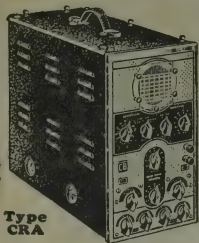
MODEL 430

The Readrite 430 direct-reading Tube Tester exactly as described above, with Triplett Model 221 Meter. Complete in oak case with full instructions. For 110 volt, 60 cycle AC operation.

A9288. List, \$30.00.
YOUR PRICE **\$17.64**

SERVICE Instruments

CLOUGH-BRENGLE CATHODE RAY OSCILLOGRAPH



Type CRA

housed in a black crystalline finished steel carrying case measuring 14½" high, 17½" deep and 8" wide. Supplied with calibrated screen and all necessary tubes. For 110 V. 60 cycle A.C. \$82.50

A3400. MODEL CRA. YOUR NET PRICE.....

CLOUGH-BRENGLE ALL-WAVE SIGNAL GENERATORS

MODEL OC-A

A complete, self-contained laboratory type signal generator which provides every intermediate, broadcast and short-wave frequency for practically any alignment purpose. Six bands cover all frequencies from 100 KC to 50 megacycles. Hand-calibration assures readings accurate to ½ of 1%. New type dial has effective scale length of 25". Output is continuously variable from a minimum to a very strong signal; modulation may be switched off for unmodulated signal. 400 cycle signal also available for audio tests. Uses 1-6C5, 1-6X7 and 1-4 tubes. For 110 V. 60 cycle A.C. operation. Housed in rugged, durable metal case, with black crackle finish. Complete with tubes. \$29.35

A3401. Identical with Model OC-A above, but for Universal operation from any 110 Volt source. May be used where there is never A.C. or D.C. power is encountered. Complete with tubes. NET..... \$29.35

MODEL OD-A

A3402. Also similar to above models, but for battery operation. Has self-contained 3-volt filament and 90 volt plate batteries. Ideal for portable operation, or for use where other current is not available. Complete with low-draw tubes, but less batteries. NET..... \$29.35

MODEL OM-A

A3398. Similar to OC Models above, but with the addition of a beat-note frequency modulation circuit, necessary for producing selectivity-sensitivity curves when using Cathode-ray Oscillographs. Frequency swings plus and minus 15 K.C. Complete with tubes, cords and instructions. YOUR NET PRICE. \$56.59

DAYRAD ALL-WAVE SIGNAL GENERATOR

A new direct-reading signal generator of advanced design and superior construction. Covers fully all frequencies from 60 to 60,000 KC, on a large, easy-to-read, accurately calibrated dial. 665 output indicator built in; no other output meter is necessary. Three section attenuator controls "High" and "Low" intensity. 400 cycle modulation may be switched off for unmodulated signal. Fully shielded internally and externally; housed in black crystal finished case measuring 10x7x4½". Complete with tubes. Shpg. wt., 12 lbs. For 110 V. 60 cycle A.C. \$36.75

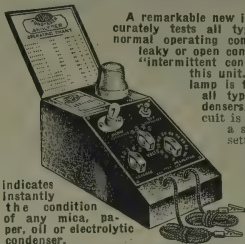
A9270. Model 36-A. NET.....

TACO RESONANCE INDICATOR

A highly sensitive resonance indicator built around the 6E5 Cathode Ray tube. May be used as output meter, interference locator, condenser checker, tuning meter, bridge indicator in place of galvanometer, and for numerous other applications. Uses two type 6H6 tubes, one as voltage doubler, and the other as a linear diode detector for rectifying the signal before applying it to the 6E5 tube. In brown crackle-finished metal case. For 110 V. 60 cycle A.C. \$6.76

A7955. YOUR PRICE. less tubes.....
A7956. Kit of R.C.A. tubes for above consisting of one 6E5 and two 6H6 tubes. \$2.06

TOBE CONDENSER ANALYZER



indicates instantly

the condition of any mica, paper, oil or electrolytic condenser. Contains a built-in power supply for 110 volts, 60 cycles. Housed in a sturdy metal case, 2½x4½x7½ inches. Comes complete with detailed instructions, neon-glow lamp, six foot cord and plug. less 01-A tube. Shpg. wt., 5 lbs. \$11.40

MILLION TUBE AND CONDENSER TESTER MODEL CN

A newly developed tester packed full of appealing features. Calibrated neon indicator shows emission; checks tubes "Good" or "Bad". Shorts and leakages as high as six megohms may be checked between any elements. May be also used as a resistance indicator, or will check shorted or leaky by-pass and electrolytic condensers. Neon lamp may be used as resonance indicator for receiver alignment. Accurately tests all existing tube types. Complete with eight-foot power cord. In sturdy welded steel case, measuring 7"x7"x3½". Shpg. wt., 6 lbs. For 110 V. 60 cycle A.C. \$9.95

PORTABLE STANDARD VOLT-OHM-METER

A practical and convenient pocket-size Volt-Ohmmeter. Scale calibrated 0-10,000 ohms, and 0-300 volts D.C. Mounted in sturdy metal case 5 inches in diameter, 1½ inches deep. Equipped with 32 inch test leads, includes self-contained flash-light cells. Switch is provided for rapid changeover from volts to ohms or vice versa. \$2.30

A2900. YOUR PRICE.....

PORTABLE SIMPLEX VOLT-OHM-METER

An exceptionally compact, pocket-size test unit. Scale marked 0-3, 0-30, 0-300 volts D.C., and 0-10,000 ohms. Walnut-finished bakelite case measures 1½x2½x3½". Has pin jacks for quick selection of desired scale. Self-contained batteries included. Supplied with 1 inch polarized test-leads, and instructions. \$3.23

A2892. YOUR PRICE.....

PORTABLE PRECISION VOLT-OHM-METER

An exceptionally fine precision type pocket size volt-ohm-meter with an accuracy of 2%. Voltage ranges, 0-5, 0-50, and 0-500 D.C. Resistance range, 0-500,000 ohms. Moving coil type meter, 1000 ohms per volt. Ohmmeter has zero adjustment. Beautiful black bakelite case 3½x2½x1½" with necessary dry-cells included. Equipped with scale-selector pin-jacks; has 30 inch polarized test leads. With instructions. \$7.78

A2893. YOUR PRICE.....

SOLAR CAPACITY ANALYZER

A sensational new instrument for quickly and accurately determining the worth and capacity of any condenser between .00001 and 70 mfd. A 6E5 tube is used as bridge-balance indicator; capacity of condenser under test is shown directly on accurately calibrated color-coded scale. Also measures power factor, and detects defective condensers. Two large resistance scales give readings up to 2 megohms, for checking insulation resistance, or for measuring resistors. Checks all types of condensers. No headphones, meters, etc., are required; compactly built in sturdy, attractive cabinet, with handle for carrying. Measures 2½x7½x2½". Requires 1-1V and 1-6E5 (not supplied). Shpg. wt., 9 lbs. \$18.82

A7708. Model CB-1-60. For 110 V. 60 cycle. NET.....
A7709. Model CB-2-U. For 110-220 V. 25-60 cycle. NET..... \$23.52

Modern TEST EQUIPMENT



WESTON CHECKMASTER

Weston's very new tube and circuit analyzer, of superior design and precision construction. Completely self-contained; checks all receiver tubes; checks receiver circuit voltages; locates condenser leakage, and makes resistance analysis. Provides separate tests for diode type tubes; checks for shorts under actual operating conditions. Quick reading, easily understandable scale reads "Good-Bad" for tube tests, also reads 0-10-100-1000 volts and

0-2,000,000 ohms. In rugged, attractive carrying case. Wt. 17 lbs.
A8922. YOUR PRICE.....

\$45.00

Weston Tubechecker

A new tube checker of advanced circuit design for quickly and accurately testing all present-day receiving tubes. All tubes are tested by measuring total emission; independent loads for various tubes eliminate excessive emission under test. Unmistakable indication of tube condition is given by a distinctive easily-read color scale; sensitive neon lamp quickly shows up shorts and high resistance condenser. Seven switches permit fast, easy and flexible adjustments for testing any tube. In addition to the six sockets provided for receiving any existing tube, a spare 8 prong socket is provided for future new tubes. Mounted in cast-aluminum case, finished in black and cream crackle, with red panel controls. Measures 11 7/8" x 9 3/4" x 3". Wt., 10 lbs.

A8918. YOUR PRICE.....
A8919. Carrying case for above checker.....

\$39.75

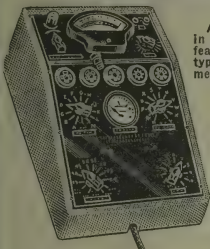
\$4.50

DEPENDABLE MODEL 305 TUBE TESTER

A new inexpensive tube tester, modern in every respect, with many outstanding features. Designed to completely test every type of tube used today, including new metal tubes. Has spare switching capacity for many more types. Does not require adapters. New 5 inch bakelite fan-type test meter has English-reading "GOOD-POOR" scale.

TESTS CONDENSERS, SHORTS AND LEAKAGE

Neon lamp indicates shorts and leakage between any tube elements; also checks condensers. Measures resistances from 10 ohms to 1 megohm without use of batteries. Has separate line voltage meter with line voltage control. Tester is attractively contained in sloping panel case. Has



etched panel. Operates on 105-135 volts, 50-60 cycles. Simple to operate; low in price.

COUNTER MODEL KIT FOR PORTABLE MODEL

A8900. 305KC. All parts including case and panel, for building 305 Tube Tester.
YOUR PRICE.....

\$17.29

COMPLETELY WIRED
A8901. 305C. Completely assembled and wired Counter Tube Tester. As illustrated. 13 1/2 x 9 3/4 x 6 1/4". Shpg. wt., 10 lbs.
YOUR PRICE.....

\$21.51

PORTABLE MODEL KIT FORM

A8902. 305KP. All parts, including panel, and portable case with hinged cover, for building 305 Tube Tester.
YOUR PRICE.....

\$19.45

COMPLETELY WIRED
A8903. 305P. Completely assembled and wired Portable Tube Tester. 14 x 11 1/2 x 7 1/2". Shpg. wt., 14 lbs.
YOUR PRICE.....

\$24.01

JACKSON SIGNAL GENERATOR



A modern high speed instrument for all receiver alignments. A.F. tests, etc., excellent for use with Oscilloscope equipment; guaranteed accuracy. Has large direct reading dial accurately calibrated. Six fundamental frequency bands cover range from 100 KC to 36 MC with no skips; additional band extends to 70 MC. Variable ratio attenuator; output either modulated or unmodulated, as desired; Jack provides for external frequency modulation; completely shielded in cast aluminum case. Instruction book furnished. For 110 volts 50/60 cycles.

A8927. Model 441A.

A8928. Model 441B. Same as above but battery-operated. Less batteries. (Requires 2—Burgess 4156 and 1—2370 batteries.) YOUR PRICE.....

\$32.80

\$31.00

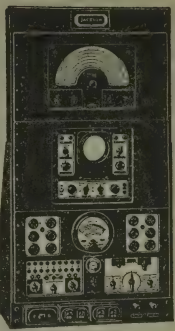
JACKSON TEST EQUIPMENT

"Service Lab" Model 500

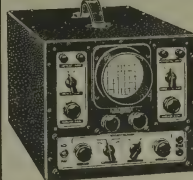
The most complete and elaborate service equipment installation ever offered. Actually a whole laboratory mounted compactly on a standard 20" metal relay rack 38" high. Provides every conceivable test necessary for thorough receiver analysis and repair. Consists of: Cathode Ray Oscilloscope, same as No. 520 below, which provides ready inspection of all frequencies to 100,000 cycles, complete with all tubes, and arranged for portable use if necessary; Frequency Modulated Oscillator, providing all frequencies from 100 KC to 20 megacycles, modulated or frequency modulated; Dynamic Output Type Tube Tester for checking all glass and metal tubes; and a complete Set Tester and Jarne Universal Range Meter for reading D.C. volts to 1500, D.C. M.A. to 150, A.C. volts to 1500, ohms to 10 meg. Microfarads to 15 and Decibels to +18. Direct-reading ranges are selected by means of a rugged 18 position master circuit switch. Complete set of sockets and cut-in jacks, with 8 wire analysis cable, plug and adapter kit is furnished for free-pot analysis. Unquestionably the finest equipment ever offered at this low price.

A8929. Complete "Service Lab."

YOUR PRICE.....



JACKSON CATHODE RAY OSCILLOGRAPH



A stable, easy to operate Oscilloscope incorporating every necessary feature for proper visual examination of current and voltage. Invaluable for properly aligning modern all-wave receivers; ideal for all laboratory uses in schools, factories, etc. Calibrated screen furnished with unit enables accurate selectivity and sensitivity tests. Horizontal sweep rate adjustable from 10 to 20,000 cycles. Horizontal and vertical amplifiers have flat frequency response to 100 KC, with input sensitivity of .75 volts R.M.S. per inch deflection. Panel and hood are of cast aluminum; case is heavy gauge steel. For 110 V. 50-60 cycle operation. Shpg. wt., 35 lbs.

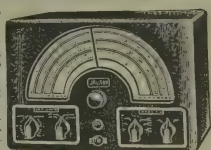
A8930. Model 520. Complete with Tubes.

YOUR PRICE.....

\$79.50

JACKSON FREQUENCY MODULATED OSCILLATOR

A high grade test signal generator with self-contained electronic type frequency modulator, providing a constant band width of 30 KC regardless of frequency of signal. Frequency range 100 KC to 70 M.C. with direct-reading calibrated scale. Two circuit attenuator with variable ratio and vernier control provides any signal-strength desired. Output may be either audio modulated or frequency modulated. One piece cast aluminum case. Measures 11 1/2 x 8 1/2 x 13 1/2".

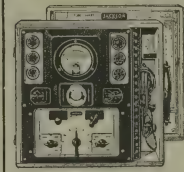


A8931. Model 540. Complete with all-metal tubes and necessary accessories.

NET.....

\$56.25

JACKSON TUBE TESTER



A modern, accurate tube tester of the latest type; makes use of the "dynamic output" test, for quick and accurate test of tube condition. Tests all tubes; makes separate diode and rectifier tests, and has special test for pentagrid converter tubes. Readings direct on "Good-Bad" scale. Meter also calibrated in Volts, Ohms and milliamperes, for receiver circuit analysis. Meter ranges are direct reading for the

following: 0-7.5-75-150-300-750-1500 Volts D.C.; 0-7.5-75-150 M.A. D.C.; 0-100-100,000 ohms -1-10 megohms. Solid oak carrying case on portable model measures 12 1/2 x 13 1/2 x 6 1/2". Shpg. wt., 15 lbs.

A8932. Model 535. Portable Model.

YOUR PRICE.....

\$39.50

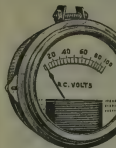
A8933. Model 535-C. Counter Model in attractive Metal case.
NET.....

\$43.50

READRITE METERS SHUNTS • RECTIFIERS

READRITE PANEL METERS

MODEL 55 D. C.



Standard Type



Zero Adjustment

The popular and economical Readrite line used extensively in radio and electrical work is an efficient low-priced meter is required. Accuracy assured within 5% D.C. meters are polarized vane, solenoid type. Require 2 3/4" mounting hole. Have easy reading white dial, black lettering and full nickel-finish metal shell. Clamp included to hold meter tight against panel. Screw connections with binding nuts on rear. 2 3/4" diameter. Readily convertible for outside flange mounting with use of No. 65A Flange ring. Zero adjustment type has screw on meter face to control idle position of needle.

D. C. VOLT METERS

Without Zero Adjustment				With Zero Adjustment			
No.	Net Each	Resist Ohms	Volts	No.	Net Each		
A7350		25	0-1	A7375			
A7351	59c	175	0-3	A7376	73c		
A7352		500	3-0-3	A7377			
A7353		410	0-5	A7378			
A7354		50	0-6	A7379			
A7355	59c	850	0-5	A7380	73c		
A7356		1475	0-10	A7381			
A7357		2914	0-15	A7382			
A7358		1625	0-25	A7383			
A7359	\$1.62	7720	0-25	A7384	\$1.76		
A7360		50	0-25	A7385			
A7361	1.81	15440	0-50	A7386	2.06		
A7362	.88	6500	0-100	A7387	1.03		
A7363	1.31	30380	0-100	A7388	2.06		
A7364	1.03	9750	0-150	A7389	1.18		
A7365	1.91	46320	0-150	A7390	2.06		
A7366	1.91	92640	0-300	A7391	2.06		
A7367	2.65	154400	0-300	A7392	2.79		
A7368	3.23	231600	0-750	A7393	3.38		
A7369	3.23	162000	0-8-160	A7394	1.47		
A7370	2.65	92640	0-60-300	A7395	2.79		
A7371	3.23	180000	0-20-600	A7396	3.38		

D. C. MILLIAMMETERS

Without Zero Adjustment				With Zero Adjustment			
No.	Net Each	Resist Ohms	M. A.	No.	Net Each		
A7400	\$1.32	2160	0-5	A7414	\$1.47		
A7401	1.18	700	0-10	A7415	1.32		
A7402	.59	295	0-15	A7416	.73		
A7403	.59	85	0-25	A7417	.73		
A7404		20	0-50	A7418			
A7405	59c	5.5	0-100	A7419	73c		
A7406		3.3	0-150	A7420			
A7407		1.9	0-200	A7421			
A7408	\$0.59	.8	0-300	A7422	\$0.73		
A7409	.59		0-400	A7423	.73		
A7410	1.18	175	0-20-100	A7424	1.32		
A7411	1.18	305	0-150-150	A7425	1.32		

D. C. AMMETERS

No.	Net Each	Type	Amps.	No.	Net Each
A7428		380	0-1	A7438	
A7429	59c	331	0-3	A7439	73c
A7430		386	0-5	A7440	
A7431		335	0-10	A7441	
A7432	\$0.68	382	0-25	A7437	\$1.03
A7426	1.18	383	0-50	A7449	1.32
A7432		101	1-0-1	A7442	
A7433		303	3-0-3	A7443	
A7434	59c	606	6-0-6	A7444	73c
A7435		110	10-0-10	A7445	
A7436		320	20-0-20	A7446	
A7448	\$0.88	330	30-0-30	A7447	\$1.03

MODEL 55 A. C. METERS

Double vane repulsion type. Accurate within 10%. Voltmeters have resistance up to 100 ohms per volt. Used for checking line voltage, set current drain, etc.

Voltmeters Milliammeters

No.	Volts	Net Each	No.	M. A.	Net Each
A7450	0-4	\$1.62	A7462	0-25	
A7451	0-6	1.62	A7463	0-50	
A7452	0-10	1.62	A7464	0-100	\$1.62
A7453	0-15	1.62	A7465	0-250	
A7454	0-150	2.65	A7466	0-500	
A7455	0-300	3.23			
A7456	0-600	3.82			
A7457	0-750	4.56			
A7458	0-10-140	2.65			
Ammeters					
			No. Amps.		Net Each
Plug In Line Type					
			A7468	0-1	
			A7469	0-3	\$1.62
			A7470	0-5	
			A7471	0-10	
			A7472	0-50	\$1.91
A7459	0-150	\$1.91			

NO. 65A FLANGE RING

Will fit over any type Model 55 Readrite meter, converting it for flange mounting. 2 3/4" flange dia. In black finish. Used for checking line voltage, mounting screws and nuts.

A7473. List, 15c. NET..... **9c**

READRITE RESISTANCE METER—MODEL 501

Direct-reading Volt-ohmmeter. Reads 0-10,000 ohms, and 0-4.5 volts. 2 3/4" flange diameter. Calls for the small flashlight cells, which with resistance to be measured, are connected in series with the meter. Ideal for continuity tests and for testing resistances in receiving sets, and circuits generally.

A7341. List, \$2.75. NET..... **\$1.62**

RESISTORS

A7343. No. 503 Resistor. 150 ohms resistance to increase No. 501 ohmmeter reading to 60,000 ohms when used with a 22 1/2 volt battery. List, \$1.00. NET..... **59c**

A7344. 504 Resistor. 2,300 ohms, center-tapped, for use with "B" to increase reading of Nos. 500, 501, 502 ohmmeters to 100,000 ohms; with tip jacks. List, \$2.25. NET..... **\$1.32**

READRITE MODEL 575 OUTPUT METER

Will reliably indicate output voltage of set for accurate alignment of RF and IF stages. Has internal full-wave copper oxide rectifier. Shows two ranges: 0-5 and 0-50 volts. Provided with tip-jacks for connecting test leads. Metal case, 1 1/2" in diameter; baked enamel finish. Wt., 4 lbs. \$4.85

A7348. List, \$8.25. NET.....

MODEL 515 OUTPUT METER

Same as Model 575 above but with Triplett meter. Has range of 2.5-5 volts. 750 ohms resistance per volt.

A7349. List, \$16.50. NET..... **\$9.70**

RADIO CITY SHUNTS

Individually calibrated to an accuracy of $\pm 1\%$. Ideal for use with milliammeters such as those having 0-1 scales for increasing their ranges. Capacity of each unit about 1 watt. Negligible temperature coefficient. Size 2 3/4" x 1" in diameter.

27 OHMS METER RESISTANCE

No.	Milliamp.	No.	Milliamp.
A2355	5	A2359	100
A2356	10	A2360	250
A2357	25	A2361	500
A2358	50	A2362	1000

30 OHMS METER RESISTANCE

No.	Milliamp.	No.	Milliamp.
A2364	5	A2368	100
A2365	10	A2369	250
A2366	25	A2370	500
A2367	50	A2371	1000

50 OHMS METER RESISTANCE

No.	Milliamp.	No.	Milliamp.
A2373	5	A2377	100
A2374	10	A2378	250
A2375	25	A2379	500
A2376	50	A2380	1000

List, Each, \$1.40. NET, EACH..... **82c**

READRITE TUNING METERS



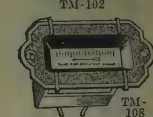
TM-103



TM-102



TM-121



TM-108

For accurate visual tuning of modern AVC sets, high resistance milliammeters, neat, easy-to-mount cases. These meters indicate exact tuning resonance when needle swings to its farthest point. Assure correct, easy tuning. Four types are available, each with full scale deflections as listed. Model 121 is shadow tuning type. Supplied less escutcheons.

TM-103

Front or bottom indicator type with opaque dial.

No.	M.A.	No.	M.A.
A7475	0-5	A7485	0-5
A7476	0-7	A7486	0-7
A7477	0-10	A7487	0-10
A7478	0-15	A7488	0-15

TM-102

Rear lighting type, with translucent dial.

No.	M.A.	No.	M.A.
A7480	0-5	A7490	0-5
A7481	0-7	A7491	0-7
A7482	0-10	A7492	0-10
A7483	0-15	A7493	0-15

TM-121

Shadow graph type; indicates resonance at narrowest point.

TUNING METER PRICES

Choice of any type above, less escutcheon. List.....\$1.50 NET EACH **88c**

ESCTUCHEONS

A7495. For TM-108, 121.

A7496. For TM-102, 103.

List, 30c. NET EACH..... **18c**

FULL WAVE COPPER OXIDE RECTIFIERS—5 M. A. Capacity

Miniature type. Converts D.C. meters drawing less than 5 M.A. to A.C. instruments. 1/2" square.

A2258. NET..... **\$2.15**

20 M. A. Capacity

3/8" round. 3/4" long. Converts D.C. meters drawing not over 20 M.A. to A.C. types.

A2256. NET..... **\$1.88**

50 M. A. Capacity

3/4" dia.; 1 1/2" long. Heavy duty type for use in circuits where current does not exceed 50 A.C.

A2237. NET..... **\$1.75**

TAUREX COPPER OXIDE METER RECTIFIER

Full-wave type. For D.C. meter conversion. Converts DC Milliammeters of 1 M.A. or less to A.C. M.A. With proper resistances will measure up to 1000 volts. Only 1 1/2" x 1 1/2" x 1 1/2".

A2283. NET..... **\$2.95**

CRS COPPER OXIDE RECTIFIERS

Exceptionally small full-wave rectifier for converting D.C. meters for A.C. use. Input 10 volts test panels, etc.

A2280. NET EACH..... **\$2.06**

We can supply shunts, rectifiers, resistors, etc., for practically any meter. Tell us your needs, describing your meter, and we will quote.

METERS → RPIET • BEEDE • WESTON

PRECISION METERS

Dependable superior instruments in a variety of styles and sizes. Rugged D'Arsonval movements assure accuracy within 2%. An extra-light moving coil is used, with sapphire jewel bearings and special chrome steel magnets. All parts are accurately mounted on a bakelite plate and enclosed in a dust-proof case. Balanced aluminum indicating pointer permits use of the meter in any position. Equipped with zero adjustment. AC meters are movable iron repulsion type.

METER DIMENSIONS

Model 321— $3\frac{1}{2}$ " Flush mounting; Scale $2\frac{3}{4}$ " long. Bakelite case.
Model 324— $3\frac{1}{2}$ " Projection mounting; Scale $2\frac{3}{4}$ " long. Bakelite.
Model 223— $2\frac{1}{2}$ " Flush; Scale $1\frac{3}{4}$ " long. Metal case.
Model 331— $3\frac{1}{2}$ " Flush; Scale $2\frac{3}{4}$ " long. Bakelite case.
Model 334— $3\frac{1}{2}$ " Projection; Scale $2\frac{3}{4}$ " long. Bakelite case.
Model 233— $2\frac{1}{2}$ " Flush; Scale $1\frac{3}{4}$ " long. Metal case.

*Can be supplied in bakelite cases on special order.



Model 321 D.C.
Model 331 A.C.



Model 233 A.C.
Model 223 D.C.

D. C. MILLIAMMETERS

$3\frac{1}{2}$ Inch			2 Inch		
Model	321	324	Net	Model	223
A8650	A8664		\$4.55	A8678	
A8651	A8665			A8679	\$3.75
A8652	A8666			A8680	
A8653	A8667	3.75		A8681	2.94
A8654	A8668			A8682	
A8655	A8669			A8683	
A8656	A8670	3.75		A8684	2.94
A8657	A8671			A8685	
A8658	A8672			A8686	
A8659	A8673			A8687	
A8660	A8674	3.75		A8688	2.94
A8662	A8676			A8690	

D. C. VOLTMETERS

$3\frac{1}{2}$ Inch			2 Inch		
Model	321	324	Net	Model	223
A8691	A8700			A8711	
A8692	A8701			A8712	
A8693	A8702	\$3.75		A8713	2.94
A8694	A8703			A8714	
A8695	A8704	\$3.75		A8715	\$2.94
A8696	A8705	3.75		A8716	2.94
A8697	A8706	5.39		A8717	2.94
A8698	A8707	6.04		A8718	2.94
A8699	A8708	7.18		A8719	6.04
A8700	A8709	9.31		A8720	8.33

D. C. VOLTMETERS

$3\frac{1}{2}$ Inch			2 Inch		
Model	321	324	Net	Model	223
A8722	A8732			A8742	
A8723	A8733			A8743	
A8724	A8734	\$5.39		A8744	4.24
A8725	A8735			A8745	
A8726	A8736	\$5.71		A8746	\$5.06
A8727	A8737	5.71		A8747	5.06
A8728	A8738	6.53		A8748	5.71
A8729	A8739	7.18		A8749	6.53
A8730	A8740	8.38		A8750	7.84
A8731	A8741	10.45		A8751	9.31



Accuracy assured within 2%. D'Arsonval type design, with sapphire bearings. Calibrated 0-1 with 50 accurate equal graduations. Resistance, 31 ohms. Has zero adjustment. $3\frac{3}{4}$ " dia., with 2% scale, and a deep back of range. Flush type mounting. Ideal for use with external resistors for conversion to multi-purpose ohmmeter, voltmeter, and milliammeter. Build your own test instruments around this high quality meter.

A8650, List, \$7.00, NET... **\$4.55**

Model 321.

0-1 D.C. M.A.

VOLT-OHM-MILLIAMMETER
A 0-1 Milliammeter (100 ohms resistance) with scales reading 0-10-50-250-500 volts; 0-10-50-250-500 M.A.; and 0-100-000 ohms. For multi-scale testing instruments. Meter only.

List, each, \$7.50.

YOUR PRICE, EACH... **\$4.90**

We can supply resistors and shunts for all type of meters. Order with deposit, or write for prices.

D. C. AMMETERS

$3\frac{1}{2}$ Inch			2 Inch		
Model	321	324	Net	Model	223
A8752	A8763			A8773	
A8753	A8764			A8774	
A8754	A8765	\$3.75		A8775	\$2.94
A8755	A8766			A8776	
A8756	A8767			A8777	
A8757	A8768			A8778	
A8758	A8769	3.75		A8779	2.94
A8759	A8770			A8780	
A8760	A8771			A8781	

A. C. MILLIAMMETERS

$3\frac{1}{2}$ Inch			2 Inch		
Model	321	324	Net	Model	223
A8805	A8813			A8821	
A8806	A8814			A8822	
A8807	A8815	\$3.75		A8823	\$2.94
A8808	A8816			A8824	
A8809	A8817			A8825	
A8810	A8818	3.75		A8826	2.94
A8811	A8819			A8827	

A. C. VOLTMETERS

$3\frac{1}{2}$ Inch			2 Inch		
Model	321	324	Net	Model	223
A8830	A8842			A8854	
A8831	A8843			A8855	
A8832	A8844	\$3.75		A8856	2.94
A8833	A8845			A8857	
A8834	A8846	\$3.75		A8858	\$2.94
A8835	A8847	5.71		A8859	2.94
A8836	A8848	4.55		A8860	3.75
A8837	A8849	5.39		A8861	4.75
A8838	A8850	\$5.71		A8862	\$6.53
A8839	A8851	8.33		A8863	7.51
A8840	A8852	10.45		A8864	9.63

A. C. AMMETERS

$3\frac{1}{2}$ Inch			2 Inch		
Model	321	324	Net	Model	223
A8866	A8873			A8880	
A8867	A8874			A8881	
A8868	A8875	\$3.75		A8882	2.94
A8869	A8876			A8883	
A8870	A8877			A8884	
A8871	A8878	\$4.55		A8885	\$3.75
A8872	A8879	5.68		A8886	
A8873	A8880	8.15		A8887	

METER REPAIR SERVICE

Whether your meter is burned out or damaged mechanically we put it back in good condition. We also restore accuracy to erratic movements. Our special meter service will repair any type of D.C. or A.C. meter. Prices below are representative. Send cash with order. For quotations on services not shown, send meter prepaid.

SERVICE A. Repairs to burned out or open armatures of 30 type 31 type 32 type including polishing of jewels, three point calibration, and correction of needle position. **\$3.75**

SERVICE B. Repair and correction of sluggish or erratic movement. If armature is not damaged. Cleaned and calibrated. **\$2.95**

SERVICE C. If glass is cracked, scratched or broken, we will replace for an additional charge of **\$90c**

Prices above cover only replacement parts specified in each service. Additional parts, such as pointers, springs, zero adjusters, case, etc., will be supplied at the lowest prices.

BEEDE METERS

Foundation Meter

FAN TYPE

You can build an efficient Volt-Ohm meter tester around this high quality Beede Foundation Meter. It features a new large scale fan-type dial, knife-edge pointer, laterally wound coil, fatigueless type spring, and long, easily-read scales. An unusually accurate and sturdy instrument that will give you long and continuous service. The meter mounts in $2\frac{1}{4}$ " diameter round hole. It has a sensitive 0-1 M.A. movement, 50 ohms internal resistance. Scales are: 0-10-25-50-100-250-500 volts D.C.; 0-1000 ohms-1 megohm. These scales provide quick and accurate testing. Resistor kit for use with this meter listed below.

A2330. **\$441**

YOUR PRICE

MULTIPLIER RESISTOR KIT

Consists of high quality semi-precision resistors for use with the above meter to secure the indicated readings. These resistors are accurate to within 5%, and with the Beede meter above will make an excellent test instrument. A complete schematic diagram for construction is included.

A2331. Resistor Kit. NET... **\$1.65**

SHUNT RESISTORS

A2374. To obtain reading of 0-10 M.A. on above meter.

A2377. To obtain reading of 0-100 M.A. on above meter.

NET, EACH... **\$2c**

Beede Milliammeters

Highly accurate and compact D'Arsonval type meters. Moving coil design. Combine ruggedness with accuracy within 2%. Have zero adjustment, sapphire bearings, aluminum pointers. Mounting, $3\frac{3}{4}$ " dia. in metal case.

Model 701

D. C. MILLIAMMETERS

No.	M.A.	List	NET
A2300	0-1	\$8.00	\$3.53
A2301	0-10	4.75	2.79
A2302	0-100	4.75	2.79
A2303	0-200	4.75	2.79
A2304	1-10	4.00	3.53

VOLT-OHM-MILLIAMMETERS

Meter only. Reads 0-1 M.A.; 0-50,000 ohms; 0-15-30-300 D.C. Volts.

A2315. Model 701. NET... **\$3.53**

Meter only. Reads 0-1 M.A.; 0-2000 ohms; 0-5-250-750 D.C. Volts.

A2317. Model 701. NET... **\$3.53**

Write for prices for other Beede meters.

WESTON METERS

Model 301

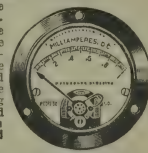
D. C. MILLIAMMETERS

Famous panel type low resistance instruments for accurate measurement. Have well-damped D'Arsonval movements, accurate within 2%. Contained in 3% inch bakelite cases, flush mounting type, with silver etched scales. Deal for use in analyzers, testers and output meters.

No.	M.A.	List	NET
A2335	0-1	\$10.00	\$7.35
A2336	0-3	10.00	7.35
A2337	0-5	9.00	6.61
A2338	0-10	9.00	6.61
A2339	0-20	9.00	6.61
A2340	0-30	9.00	6.61
A2341	0-40	9.00	6.61
A2342	0-100	9.00	6.61
A2343	0-200	9.00	6.61
A2344	0-15-150	14.00	10.29

Output Range Milliammeter Is Three Binding Post Type. Self-Contained.

We can supply all Weston instruments. Write for literature and prices.



ADAPTERS • PLUGS • Test Equipment

9-WIRE OCTAL ANALYZER PLUG AND ADAPTERS

This new plug and adapter kit makes it possible for you to bring your present analyzer up to date, permitting you to handle new metal tubes, as well as the latest glass types. Complete kit contains: 1-8 prong locking adapter plug, with 5 ft. of 9 wire cable and dual grid stud; 1-8 prong cable plug and socket, and 5 adapters. Will completely modernize your analyzer.

A1659. ANALYZER KIT COMPLETE.
List, \$10.00. **\$5.88**
NET.

A1650. ANALYZER PLUG ONLY. Small 8 prong octal base plug which locks into adapters. Has dual grid studs for small and large grid clips. List, \$1.75. **\$1.03**
NET.

A1651. Plug with 5 ft. 9 wire cable attached and 8 prong panel plug, with grid plug lead. Includes 8 prong octal panel socket. List, \$5.00. **\$2.30**
NET.

ADAPTERS ONLY

The adapters listed below will handle all tubes. Have 8 hole octal tops, to take 8 prong plug such as listed above. Each adapter uses the new RMA numbering system for point-to-point analysis.

No.	PRONGS	List Each, \$1.00.
A1653	8 to 4	NET EACH
A1654	8 to 5	57c
A1655	8 to 6	
A1656	8 to 7M	
A1657	8 to 7S	

SPECIAL ADAPTERS

Well-made adapters for use in blocked octal sockets. Absolutely essential for testing many metal tube sets. Each adapter uses the new RMA numbering system for point-to-point analysis. For use with above kit.

A1627. 8 to 5 Prong Plug; tests 5Z4, 5Y3, 5W4 tube circuits.

A1628. 8 to 5 Prong Plug; tests 6F5 tube circuits.

A1626. 8 to 6 Prong Plug; tests 6C5 tube circuits.

A1625. 8 to 7 Prong Plug; tests 6F6, 6H6, 6J7, 6K7 and 6L7 tube circuits.

List, Each, \$1.00. **\$59c**
NET, EACH

TEST ADAPTERS FOR METAL TUBES

ANALYZER ADAPTERS FOR METAL TUBES

Extend the tests possible with your present analyzer by using these new metal tube adapters. For use with 7S latch plug.

A1669. For testing in all metal tube sockets except 5Z4. 7S latch-lock top, octal base. **YOUR PRICE... 59c**

A1622. For testing in socket of 5Z4, 5Y3, or 5W4. 7S latch lock plug, octal base. **YOUR PRICE... 59c**

A1676. For all octal base tubes except 5Z4, 5Y3 and 5W4. 8 hole octal top. **YOUR PRICE... 59c**

A1677. For testing 5Z4, 5Y3 or 5W4 metal tube circuits, 8 hole octal top, 4 Prong base. **YOUR PRICE... 44c**

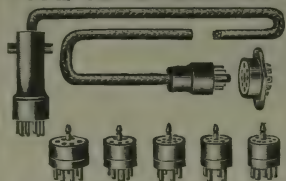
DUAL GRID STUD
Attaches to control grid lead of analyzer plug. For metal and glass tube grid clips. **6c**

A1684. YOUR PRICE... 6c

OCTAL SCREW STUD
Easily replaces one of the large studs on old analyzer plugs having two. For new metal tube grid clips. **6c**

A1685. YOUR PRICE... 6c

7 PRONG LOCKING TYPE ANALYZER KIT



A new moulded bakelite small pin radius 7 prong plug with detachable handle. Two grid studs, large and small, are supplied, so plug can be used in either metal or glass tube sets. Lock-on feature makes sure, firm contact between plug and adapters. Very small plug base for entering sockets with close shields. Complete kit contains: 1-lock-on 7S prong plug and handle, with 5 ft. of 8 wire cable, 8 prong cable plug, 8 prong panel socket, and 5 adapters.

A1665. COMPLETE KIT. \$4.25
List, \$7.75. **YOUR PRICE...**

A1666. Kit similar to above, but supplied without 8 prong cable plug and 8 prong socket for cable connection. **\$3.25**
List, \$5.75. **YOUR PRICE...**

ADAPTERS ONLY

Adapters designed especially for use with above plug kits. May also be used in connection with any plug of similar characteristics, having lock-on feature, with 7S prong base.

A1660. 7S to 4 Prong Plug.
A1661. 7S to 5 Prong Plug.
A1662. 7S to 6 Prong Plug.
A1663. 7S to 7M Prong Plug. **44c**
List, \$0.75. **NET EACH...**

A1669. 7S to 8 Octal Prong. **59c**
List, \$1.00. **NET...**

OCTAL SOCKET ADAPTERS

Adapters for octal sockets to be used with the above analyzer plugs. For testing all metal tube circuits. Have small 7 prong latch-lock tops, with the following bases:

A1620. 7 Prong Octal.
A1621. 6 Prong Octal.
A1622. 5 (5Z4) Octal.
A1623. 5 (6F5) Octal. **59c**
List, \$1.00. **NET EACH...**

PLUG ONLY

A1624. Small 7 prong plug handle and 8 wire cable, with latch-lock feature, same as supplied with above kits. **\$1.47**
List, \$2.50. **NET...**

TUBE CHECKER ADAPTERS FOR NEW METAL TUBES

These new metal tube adapters make it possible for you to check the popular new metal and metal-glass tube types in your present tube checker. Not necessary to make any change in wiring of checker.

Cat. No.	To Test	In Socket	Adapter Base
A1681	6A8	6A7	7S
A1686	6F5	7S or R5	6
A1687	6H6	7S or R5	6
A1682	6C5	3T or 76	5
	5Z4		
	5Y3	80	4
A1677	25Z6	25Z5	6
A1688	6X5	84 or 6Z4	5
	6J7	27 or 6C6	
	6K7	78 or 6D6	
	6L7	41 or 42	
A1680	6L6	41 or 42	6
	6Q7	75	
	6R7	85	
	25A6	43	
	6D5	41 or 42	

YOUR PRICE, EACH ADAPTER... 44c

NEW ANALYZER MODERNIZING KIT

A new low-priced analyzer modernizing kit with turn-stud lock to bring your present analyzer up to date. Consists of: 1-small 7 prong analyzer plug with 5 foot 8 wire cable attached; plug is equipped with dual grid cap for both metal and glass tubes; 5 adapters for 4, 5, 6, 7M, and new octal 8 hole sockets. The analyzer plug is small in diameter for insertion in closely shielded sockets. With this kit and your present analyzer you can service all circuits including those with the new octal metal tubes.

A1667. COMPLETE KIT. Includes: 1-7 prong analyzer plug, 5 ft. 8 wire cable, and 5 adapters as described. \$3.15
List, \$5.35. **NET...**

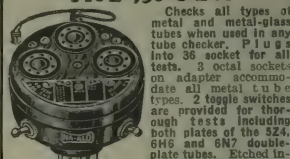
SPECIAL OCTAL ADAPTERS

Additional adapters for blocked octal sockets. For use with above modernizing kit. Have 7 prong (3) socket.

A1610. For 7 Prong octal socket.
A1611. For 6 Prong octal socket.
A1612. For 5 (5Z4) octal socket.
A1613. For 5 (6F5) octal socket.
List, Each, \$1.00. **59c**
NET EACH

ALDEN METAL TUBE TESTING ADAPTER

TYPE 950 G-E-M



Checks all types of metal and metal-glass tubes when used in any tube checker. Plugs into 36 socket for all tests. 3 octal sockets on adapter accommodate all metal tube types. Single switches are provided for thorough tests including both plates of the 5Z4, 6H6 and 6N7 double-plate tubes. Etched instruction plate on face.

A1674. ALDEN 950-G-E-M METAL TUBE ADAPTER. 3 1/2" dia.; 2 1/2" high. List, \$6.50. \$3.82
NET.

ALDEN TUBE LEAKAGE AND SHORT TESTER

A new device which tests for leakage and shorts between elements in all 4, 5, 6 and 7 prong tubes. Leakage as high as 1 megohm is indicated by the special neon lamp incorporated in the tester. Operates directly from A.C. line. Contains jacks for using as a continuity tester. Complete with neon lamp, grid lead, cord and plug.

A1675. 95C. ALDEN TESTER. \$3.50. \$2.06
YOUR PRICE...

ANALYZER CABLE

8 and 9 conductor cables of stranded tinned copper wire, each rubber-covered, and with color-coded braid. Cotton braided overall.

A1676. 8 CONDUCTOR. 2 No. 16 and 6 No. 20 wire. PER FOOT... 9c

A1671. 9 CONDUCTOR. 2 No. 16 and 7 No. 20 wire. PER FOOT... 10c

Modernizer ADAPTERS TESTERS

SPEAKER-HEADPHONE SWITCHING ADAPTERS

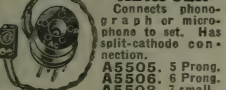


Connect headphones to set; has a switch arranged to cut off speaker when phones are used. Adapters fit under power tubes. Ideal for DX reception, or when speaker is not desired.

- SINGLE OUTPUT**
A5537. 4-Prong Adapter. For self-biased power tube.
A5538. 5-Prong Adapter.
A5539. 6-Prong Adapter.
A5540. For 19 Tube.
A5544. 8-Prong Adapter for 6F6, 6L6.
NET EACH \$1.45

- PUSH-PULL OUTPUT**
A5541. 4-Prong Adapter.
A5542. 5-Prong Adapter.
A5543. 6-Prong Adapter.
NET EACH \$1.63

MIKE AND PHONO ADAPTER



Connects phonograph or microphone sets. Has split-cathode connection.

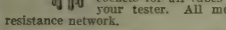
- A5505.** 5 Prong.
A5506. 6 Prong.
A5508. 7 small.
A5509. 8 Prong.
NET EACH 54c

ADAPTERS FOR 2 VOLT TUBES

For modernizing old type battery sets with the new 2 volt tubes.

- A1755.** 419X. Replaces large UV201A base with small UX.
List. 35c. NET 21c

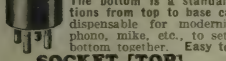
NA-ALD MULTI-ADAPTER TYPE 950XYLA



A complete new adapter which enables you to test over 120 types of tubes with your present tester. Has no leads, no wires, no jacks. A single toggle switch makes all tests. Has 4 sockets for all tubes and a 5 prong plug at bottom to fit your tester. All meters and tubes are protected by a resistance network.

- A1756.** 950XYLA. List, \$5.00.
NET \$2.94
A1757. 954SGL. For use with 950XYLA if your tube tester has no filament voltage switch. 5 hole top, 4 prong bottom, with grid lead.
List, 50c. NET 29c

TEST ADAPTER FORMS MAKE YOUR OWN ADAPTERS

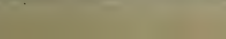


Permits you to construct any style tube or test adapter quickly. The top is a standard high quality molded socket. The bottom is a standard tube base plug. Desired connections from top to base can be made quickly and easily. Indispensable for modernizing equipment or for connecting phono, mike, etc., to sets. Screw supplied to hold top and bottom together. Easy to assemble.

SOCKET (TOP)

- | No. | Prongs | NET EA. |
|-------|---------|------------|
| A1880 | 4 | 12c |
| A1881 | 5 | |
| A1882 | 6 | |
| A1883 | 7 | |
| A1884 | 7M | 24c |
| A1885 | 8 OCTAL | |

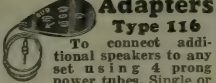
DUAL GRID CAP



Double clip permits grid cap connections to be made on both the regular glass style or the new metal tubes. Completely insulated in molded housing.

- A1672.**
NET 12c

Extra Speaker Adapters



To connect additional speakers to any set using 4 prong power tubes, Single or P.P., without wiring change.

- NET, PER PAIR. 31c**

Type 111

To connect additional speakers to any set using two 5 prong Pentode power tubes, without wiring change.

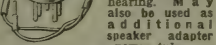
- A2609.**
NET, PER PAIR. 37c

Type 199

To connect additional speakers to any set using one 5 prong Pentode tube, without wiring change.

- A2610.** **NET 35c**

EARPHONE ADAPTERS



To connect headphones to any set. Ideal for DX and persons hard of hearing. May also be used as an additional speaker adapter for sets with one power tube.

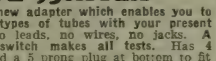
- A2611.** 5 Prong.
A2612. 6 Prong.
YOUR PRICE, EACH. 44c

UNIVERSAL ADAPTER

All tube terminals are brought out for quick easy connection.

- A5510.** 4 prong.
A5511. 5 prong.
A5512. 6 prong.
A5513. 7 prong.
A5514. 8 prong.
EACH 12c

ADAPTERS FOR 2 VOLT TUBES



For modernizing old type battery sets with the new 2 volt tubes.

- A1755.** 419X. Replaces large UV201A base with small UX.
List. 35c. NET 21c

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MODERNIZER ADAPTERS

BRING ANY SET UP-TO-DATE BY INSTALLING NEW TYPE TUBES

Installation of new type tubes in old sets offers new profit-making opportunities for servicemen. No change in sockets or wiring necessary. Merely insert adapter in tube socket, and place new pentode in adapter. All sets using glass tube types listed below can be modernized in a few seconds with these new adapters. Latest type glass tubes increase sensitivity and power. Greater stability and better selectivity are made possible by the new metal tubes. For all circuits. First modernize your own set; then sell your customers. These quality adapters are real money-makers.

ADAPTERS FOR NEW METAL TUBES

REPLACE 25Z5 with Metal Tube 25Z6

For using the new metal 25Z6 tube in place of glass type 25Z5 tube in A.C.-D.C. radio circuits. Better results can be obtained by this tube change.

- A1728.** **YOUR PRICE 44c**

REPLACE 75 TRIODE with Metal Tube 6F5

For using the metal 6F5 tube in place of the triode section only of the glass 75 tube.

- A1735.** **YOUR PRICE 44c**

REPLACE 84 OR 6Z4 with Metal Tube 6X5

Use the new 6X5 metal rectifier tube in place of the old 84 or 6Z4 tubes. Made especially for use in auto radios. The added mechanical strength of the metal tubes, as well as the complete shielding, make them particularly suitable for auto radios.

- A1727.** **YOUR PRICE 44c**

REPLACE 37, 76 WITH METAL TUBE 6C5

Use the new metal 6C5 tube in place of the type 37 or 37 tube. You can obtain better results with metal tubes in any circuit. Modernize now.

- A1733.** **YOUR PRICE 44c**

ADAPTERS FOR NEW GLASS TUBES

Replace 224 with 571 or 35, 51 with 58

For using 57 in place of 24; 58 in place of 35 or 51; 77 in place of 37 or 78 in place of 39.

- A1739.** **YOUR PRICE 29c**

Replace 45 with 47

For using 47 in place of 45 tube. 5 hole top, 4 prong base. Plate and screen connected together.

- A1740.** **YOUR PRICE 29c**

Replace V-199 with X-199 or 330

For using 4 prong UX-199 or 30 tube in UX-199 socket.

- A1741.** **YOUR PRICE 44c**

Replace 80 with 82

For using M.V. 82 in place of 80 tube. 4 hole top; 4 prong base. Has suitable resistance connected in series with filament for required 2.5 volts.

- A1742.** **YOUR PRICE 44c**

Replace 45 with 59

For using 59 seven prong power tube in place of 45. Less hum; more power.

- A1743.** **YOUR PRICE 44c**

Replace 45 with New 2A5 Tube

For using 6 prong 2A5 Pentode in place of 45. Has special resistor built in.

- A1744.** **YOUR PRICE 44c**

Replace 77, 6C6, 6D6, 41 etc., with 6J7, 6K7, etc.

Take advantage of the higher gain and stability of the new metal tube types 6J7 and 6K7. Replace 77 and 6C6 glass tubes with 6J7, 78 and 6D6 with 6K7. This adapter also makes possible the use of the 6F6 metal pentode in place of type 41 and 42 glass tubes, or 25A6 in place of a 43.

- A1730.** **YOUR PRICE 44c**

REPLACE 6A7 WITH METAL TUBE 6A8

For using the metal 6A8 tube in place of the glass 6A7 type.

- A1731.** **YOUR PRICE 44c**

REPLACE 60 with Metal Tube 5Z4

This adapter allows you to replace type 60 tubes with the new 5Z4. Better heat dissipation results from the use of the metal tube as a rectifier.

- A1737.** **NET 44c**

Small Grid Cap Adapter

Adapts standard grid clip for use with small metal tube end.

- A1673.** **YOUR PRICE 9c**

REPLACE 47 WITH 59

For using 59 Pentode power tube in place of 47. More power; less hum.

- A1745.** **YOUR PRICE 44c**

REPLACE 47 WITH New 2A5

For using 6 prong 2A5 Pentode in place of 47. Has filament resistor.

- A1746.** **NET 44c**

REPLACE KELLOGG 401 WITH 27

For using 27 tube in place of expensive overhead heater type. 5 hole top; 4 prong base. Contains resistance to cut filament to required 2.5 volts.

- A1747.** **NET 58c**

REPLACE KELLOGG 401 WITH 56

For using 56 tube in place of Kellogg 401 overhead heaters. Increased sensitivity at lower cost.

- A1748.** **YOUR PRICE 58c**

REPLACE KELLOGG 403 WITH 2A5

For using 2A5 Pentode in place of Kellogg 403 overhead heater type.

- A1749.** **YOUR PRICE 58c**

NEUTRALIZING TOOLS • TEST LEADS • FITTINGS

4-IN-1 NEUTRALIZING AND ALIGNMENT TOOL

Combines in one fountain pen size tool 4 Servicemen's necessities— $\frac{3}{16}$ " and $\frac{5}{16}$ " nut wrenches, neutralizing screwdriver and key slot grip. Insulated handle with pocket clip.

A5523. Sbg. wt. 3 oz. **29c**
YOUR PRICE.....

A5524. Crosby attachment. **10c**
A5525. Majestic attachment. **10c**
EACH.....

Balancing Attachment

Neutralize any set with-out removing chassis. May be screwed into 4 in 1 above. Only $2\frac{1}{2}$ " long. Ideal for working in close quarters. Offset $\frac{1}{8}$ " hex. socket; steel neutralizing screwdriver.

A5526. **23c**
YOUR PRICE.....

5-IN-1 NEUTRALIZING AND ALIGNMENT TOOL

A handy fountain-pen style kit that will prove an invaluable tool. Consists of $\frac{3}{16}$ " and $\frac{5}{16}$ " nut wrenches, miniature blade screwdriver for neutralizing jobs, and full size sturdy all-purpose screwdriver. Polished black bakelite with pocket clip. Sbg. wt. 4 oz.

A5527. List, \$1.50. **71c**
YOUR PRICE.....

METAL NIB NEUTRALIZING TOOL

Two valuable tools. One is a $6\frac{1}{2}$ " tube, on each end of which are heavy brass nickel plated socket wrenches for $\frac{5}{16}$ " and $\frac{1}{4}$ " hex. nuts. The other tool fits into end of tube. Has a strong screwdriver blade at one end and the other end of special magnetic steel.

A5528. **69c**
List, \$1.50. YOUR PRICE.....

NEUTRALIZING AND ALIGNING TOOL KIT

Has a tool for every type of receiver. 12 separate parts cover multiple functions. These units telescope into each other forming four separate tools for easy carrying in handy leatherette vest pocket case. Includes (1) alligator wrench; (2) insulated screwdriver with metal nib; (3) $\frac{5}{16}$ " and $\frac{1}{4}$ " nut wrench; (4) $\frac{1}{4}$ " square nut wrench; $\frac{1}{4}$ " hex. side wrench; (5) screwdriver with metal nib; (3) $\frac{1}{4}$ " hex. slotted wrench; metal screwdriver; $\frac{5}{16}$ " hex. nut wrench; (6) screwdriver with metal nib; (4) $\frac{1}{4}$ " insulated screwdriver. Shipping weight, 1 lb.

A5532. List, \$4.00. **\$235**
YOUR PRICE.....

NEUTRALIZING WRENCH

Hex breaching runs entire length. End may be cut off when broken or worn. Fits $\frac{1}{4}$ " nut. Made of sturdy fibre.

A2616. **11c** **A2617.** **13c**
5 1/2 INCH..... 8 INCH.....

INSULATED NEUTRALIZING SCREW DRIVER

This handy tool has a grip-rib handle with pocket clip. Completely insulated. Ideal for neutralizing and alignment work. A useful tool for servicemen. Colorful insuloid construction, $5\frac{1}{2}$ inches long. Narrow $\frac{5}{16}$ inch diameter enables this screw driver to be used in tight places.

A5503. **18c**
YOUR PRICE.....

SHAFT FITTINGS For Every Purpose



COUPLINGS and EXTENSIONS

Couplings are designed for extending shafts of volume controls, condensers, etc., or for ganging single units, even when shafts are not of same diameter. Extenders are for decreasing or increasing shaft diameter and for extending shaft length. STOCK NO.

SIZE	KIND	INSULATED	BRASS
$\frac{3}{4}$ " x $\frac{1}{4}$ "	Coupling	A2085	A2091
$\frac{3}{4}$ " x $\frac{1}{2}$ "	Coupling	A2086	A2092
$\frac{3}{4}$ " x $\frac{3}{4}$ "	Coupling	A2087	A2093
$\frac{3}{4}$ " x 1"	Ext.	A2088	A2094
$\frac{3}{4}$ " x $1\frac{1}{4}$ "	Ext.	A2089	A2095
$\frac{3}{4}$ " x $1\frac{1}{2}$ "	Ext.	A2090	A2096

Assorted Per 10	Assorted Per 100	NET EACH...
85c	\$8.25	9c

Brass and Fibre Shafting

For extensions or replacements, $\frac{1}{8}$ " dia.

A2100. Brass, 6" long. EACH.... **9c**
A2101. Brass, 12" long. EACH.... **14c**
A2102. Fibre, 6" long. EACH.... **14c**
A2103. Fibre, 12" long. EACH.... **18c**

Split Bushing

For increasing shaft diameter from $\frac{1}{8}$ " to $\frac{1}{4}$ " Brass, $\frac{1}{4}$ " I.D.—**5c**
A2097. Per 10, 35c. EACH....

Universal Test Leads

High-grade test leads with solderless phone tips at one end and banana type plugs at other end. Sturdy handles; one red, one black. Kinkless leads are 44 inches long. Plugs fit all banana type jacks.

A2120. **53c**
YOUR PRICE.....

AMERICAN TEST KIT



A complete test kit with innumerable uses. Consists of: 2— $2\frac{1}{2}$ " and 2— $1\frac{1}{2}$ " test prod handles with banana type plugs, each pair red and black; 2 needle-point, 2 alligator clip and 2 spade lug solderless tips—designed to fit banana plugs of handles. 1 also 1 red, 1 black banana jacks.

\$1 02
A2121. **YOUR PRICE**

SOLDERLESS TEST PRODS

Needle-point test prod with insulated handle. Completely solderless. Wire clamps tightly in prod. $5\frac{1}{2}$ " long.

A2104. Red. **15c**
A2105. Black. EACH.....

FLEXIBLE SHAFT SOCKET WRENCH

For those hard-to-get-at trimmer adjustments, especially those in RCA-Victor R32, R35, etc. Flexible shaft is fitted with case-hardened oval socket.

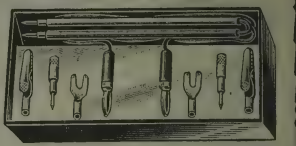
A5531. **YOUR PRICE. \$1 18**

FLEXIBLE SHAFT TUNING WAND

Excellent for checking alignment of radio sets without disturbing the adjustment of the trimmers. Shaft is of flexible catgut; has brass cylinder at one end, fine iron core at the other.

A5534. **YOUR PRICE..... 59c**

PENCIL TYPE PROD RADIO TEST KIT

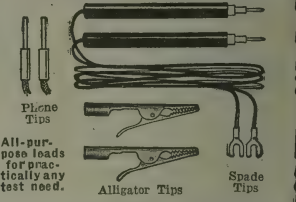


A serviceable kit that meets every testing need. Handles are 6" long with 5 foot leads attached to banana type plugs. Each kit contains 2 alligator clips, 2 needle point tips, and 2 spade lug tips, all of which fit tightly on banana tips of test leads. Interchangeable tips make this kit ideal for all types of testing.

72c
A2106. List, \$1.50. **NET.**

SERVICE TEST LEADS

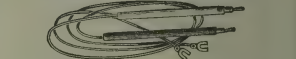
Heavy Duty Lab Model



WITH KINKLESS WIRE LEADS Flexible, rubber-covered kinkless wire fitted into heavy $\frac{1}{2}$ inch handles, one red and one black. Handles are $5\frac{1}{2}$ inches long with pointed tips. Leads are 40 inches long.

A5490. PHONE TIPS, PER PAIR..... **42c**
A5491. SPADE TIPS, PER PAIR..... **42c**
A5492. ALLIGATOR TERMINALS, PER PAIR..... **53c**

SERVICE MODEL



Popular test prods with solderless phone tips, $\frac{1}{2}$ handles; $\frac{3}{8}$ thick, 45" wires. Prod wire is securely tightened by knurled nut.

WITH KINKLESS WIRE LEADS
A5493. PHONE TIPS, PER PAIR.... **26c**
A5494. SPADE TIPS, PER PAIR.... **35c**
A5495. ALLIGATOR TERMINALS, PER PAIR..... **35c**

NEEDLE-POINT MODEL

Equipped with needle points for making good contact through insulation or pitch. 4" handle; $\frac{3}{8}$ thick, 45" leads.

WITH KINKLESS WIRE LEADS

A5496. PHONE TIPS, PER PAIR.... **29c**
A5497. SPADE TIPS, PER PAIR.... **36c**
A5498. ALLIGATOR TERMINALS, PER PAIR..... **36c**

ALIGNMENT TOOL KIT

Here is a tool kit that every Serviceman should have. Proves the correct tool for neutralizing or aligning any type of receiver. Contains: 1 pair test prods; 1 flexible tuning wand; 1 alligator wrench with screwdriver tip; 1— $\frac{1}{4}$ " pocket tool; 1—6" insulated screwdriver; 1—3" balancing tool; 1—3-in-1 neutralizing tool; 1 trimmer tool for new metal tube sets.

A2122. **YOUR PRICE..... \$2 75**



INTERFERENCE ELIMINATORS BALLASTS

TACO H-F ALL-WAVE LINE FILTER



A newly designed line filter for all-wave reception. Contains three complete filter circuits covering short wave and ultra short-wave as well as broadcast bands. May be used on any set or interfering device, AC or DC, drawing not more than 200 watts at 110 volts. Eliminates line noises to a remarkable degree, giving you clearer reception on all bands. Compact; self-contained; measures only 4x4x5 inches. Instantly and easily installed without tools. Equipped with bakelite receptacle and attractive attachment cord with nonbreakable rubber plug. Metal case finished in rich

A7903. List, \$7.50. **\$4.41**
YOUR PRICE.....

Aerovox Interference Eliminator

Eliminates power line noises and man-made static from electric motors, vacuum cleaners, elevators and other electrical devices that cause more than 75% of radio disturbances. Aerovox interference eliminator furnishes a real noise-free background for increased radio enjoyment. No tools needed—just plug in. Complete with cord and plug. Shpg. wt., 3 lbs. Type IN24. **A1300.** List, \$4.75. **\$2.79**
NET PRICE.....



CLAROSTAT A.C. LINE VOLTAGE REGULATOR

Automatically adjusts line voltage for all radio sets. Compact and durable. Ideal for safe operation on fluctuating voltages.

Easy to install. For 110 Volt A.C. sets consuming power as specified. 1 lb. each.

No.	Type	Watts
A3260	O.	Up to 60
A3261	A.	60 to 100
A3262	B.	100 to 150
A3263	C.	150 to 200
A3264	D.	200 to 250

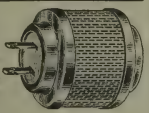
List, \$1.75. **\$49c**
YOUR PRICE, EACH.....

Universal Resistovolt

Automatic voltage regulator. Maintains a constant potential of 110 Volts, preventing tube burnouts. Operates automatically and requires no attention.

Model	Light Duty for sets up to 6 tubes.	Heavy Duty for sets over 6 tubes.
A5500.	Light Duty for sets up to 6 tubes.	Heavy Duty for sets over 6 tubes.
A5501.	Light Duty for sets up to 6 tubes.	Heavy Duty for sets over 6 tubes.

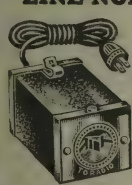
List, each, \$1.25. **\$56c**
YOUR PRICE.....



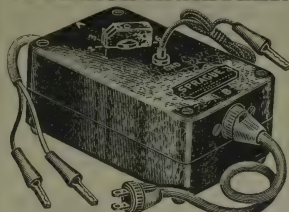
MILLER ALL-WAVE LINE NOISE FILTER

Incorporates both inductive and capacitive filtering for sure results. Condensers are oil-impregnated; chokes are of new Duo-lateral wound type. Simple to install: Just plug filter cord into light socket, and plug radio cord into filter; requires no adjustment. Assures noiseless reception from your radio; will last a lifetime. Line cord and plug attached. For 110 volt use.

A6610. List, \$4.00. **\$2.35**
YOUR PRICE.....



NEW SPRAGUE INTER-FERENCE ANALYZER



A compact, portable instrument for the serviceman; quickly and simply tells you what filter units are required for interference suppression. Connects directly into circuit from which the interference originates. Supplied complete with cables, alligator clips, line cord, chart and instructions. Operates either on 110 or 220 volts, A.C. or D.C. in bakelite case, 4 1/2 x 3 inches. Wt., 5 lbs.

A11450. SPRAGUE INTER-FERENCE ANALYZER. **\$9.55**
YOUR PRICE.....

SPRAGUE INTERFERENCE ELIMINATION CONDENSERS AND CHOKES

Especially designed for eliminating radio interference in the manner indicated by the new Sprague analyzer.

Type IF-11. Dual condenser. For large motors, as refrigerators, oil burners, etc. **A11455.** List, \$2.50. **\$1.47**
NET.....

Type IF-50. Individual Units. Oil-filled type. For small motors requiring high capacities. **A11456.** List, \$1.75. **\$1.03**
NET.....

Type IF-21, IF-33. Tubular Condensers. For fractional horsepower motors used in mixers, fans, etc. **A11457.** IF-33. List, 75c. **44c**
NET.....

Type CH-1 Choke. Specially designed; will carry up to 10 amps. Metal can; self mounting. Can be used on 1 H.P. motor. **A11459.** List, \$1.35. **79c**
NET.....

Type CH-1 Choke. Specially designed; will carry up to 10 amps. Metal can; self mounting. Can be used on 1 H.P. motor. **A11459.** List, \$1.35. **79c**
NET.....

SPRAGUE CUT-OUT BOX

A compact metal box, with hinged cover and knock-out holes. Ideal for mounting practically any combination of the above interference units. Measures only 6"x3"x3 1/2". **A11451.** **88c**
YOUR PRICE.....

PROTEX TUBE VOLTAGE REGULATOR

An air cooled, dependable voltage regulator. Fits any standard socket or outlet and will deliver correct voltage to any set. Shpg. wt., 1 lb. **A3970.** List, \$10.25. **30c**
NET, EACH.....



MILLER LINE CHOKES

Duo-lateral wound coils designed especially for line filters. Low distributed capacity and D.C. resistance. Effectively eliminate line disturbances produced by various electrical devices. Especially recommended for filters in transmitter power supply circuits. Use chokes of the correct current carrying capacity. Supplied with mounting brackets.

No.	Microh.	Amps.	NET
A6611	550	2	\$0.59
A6612	450	1	1.47
A6613	350	10	1.91
A6614	200	20	2.35



REPLACEMENT LINE BALLASTS

Original ballasts to replace similar units in sets designed for their use. These fine Line Ballasts maintain the normal voltage across the primary of the power transformer within limits for efficient operation in spite of line fluctuations over a range of from 95 to 135 Volts. We can supply replacement line ballasts for all sets not mentioned below. Order with deposit, giving make, model and year of set and number of tubes.

No.	Type	Set
A3273	2189	Bremser-Tully, Hi-Q30, Scott,
A3274	2179	Brunswick, Silver, Sonora,
A3275	1516	Majestic 70, 71.
A3276	2408	Clarion, Hi-Q31
A3277	1508	Majestic 72, 70B.
A3278	1012	Majestic 80, 180, 181.
A3279	1210	Majestic 90, 91, 92, 100.
A3280	6310	United Reproducers, Peerless, Grebe.

A3281 2518 Starck Plano, Belmont.
A3282 2516 Majestic, Baldwin.
A3283 5001 Stewart-Warner 900-61816.
A3284 5002 Stewart-Warner 900-61815.
A3285 5003 Stewart-Warner R100-68756.
List, \$2.50. **\$1.13**
YOUR PRICE.....

BUD INTERFERENCE FILTER

A highly serviceable filter that does away with "man-made interference" such as that caused by bells, refrigerators, etc. Easily and quickly attached by means of cord and plug supplied.

As a capacity filter, there is no danger of burnout. Built into a neatly finished, all bakelite box. Shipping weight, 1 lb. **A1200.** List, \$2.85. **\$1.47**
YOUR PRICE.....



TOBE AERIAL KIT

TYPE 39
A completely assembled, ready-to-erect noise-reducing antenna, of superior design. Antenna has 70 foot span. Kit includes 70 ft. doublet with insulators and 72 feet balanced transmission line already connected. Also included are 1—connection shield, 2—supporting insulators, 1—6" porcelain entrance tube, 1—ground clamp, 1—double lead-in strip, and automatic receiver coupling transformer. Easily installed. **A8401.** List, \$4.50. **\$2.65**
YOUR PRICE.....



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Completely covers the topic of Air Conditioning; discusses various methods and types of equipment, how to figure requirements and make installations, etc. A practical, profitable book for the serious-minded fellow who wants to get ahead in a rich new field. Written in an easy-to-read manner. 360 pages, 89 illustrations. Wt., 3 lbs. **A7094.** NET **\$3.43**



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Each copy of Vol. 5 includes 24 Question and Answer Coupons entitling the Serviceman to Free answers to perplexing radio problems by mail from competent engineers. You need this Question and Answer Manual. It tells you the weak points and cures for hundreds of sets; it discusses all-wave, short-wave, auto, and midget sets; includes resistance, I.F., voltage, and alignment data, etc.; color codes, socket layouts, tube pin-outs, etc. Completely indexed for instant reference.

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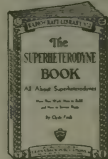
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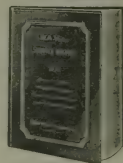
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3800 important radio terms are defined in this comprehensive 300 page book. Gives easy-to-understand and intelligent definitions of all radio and electrical terms. A book needed by all servicemen, experimenters and engineers.

Shpg. wt., 2 lbs.
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RADIO CONSTRUCTION AND REPAIRING

Moyer and Wostrel

Clearly treats the construction, installation, testing, and repair of all radio sets including television and short wave types. Many new sections added.

A5247. NET \$250



RCA-VICTOR

ANTENNA SYSTEMS

ALLIED EQUIPMENT AND ACCESSORIES

RCA RK-40 ALL-WAVE ANTENNA

ASSEMBLED AND WIRED



- GIVES ALL-WAVE COVERAGE
- IMPROVES BROADCAST RECEPTION
- COMES COMPLETELY ASSEMBLED
- EASY TO INSTALL ANYWHERE

A scientifically designed All-Wave antenna of the Universal Doublet type. Completely assembled, ready to install; total gain by use of twisted

span is only 68 feet. Noise pickup is eliminated by use of twisted pair transmission line. Improves reception on all bands.

HOW THE SYSTEM WORKS

The antenna itself acts as an efficient pickup medium, giving high signal strength on all short wave and broadcast bands. The transmission line conveys this energy to the coupling unit which automatically matches the line to the input circuit of the receiver.

KIT CONSISTS OF:

- 1 Complete antenna assembly, with end insulators, 75 ft. transmission line, hermetically sealed antenna junction box, all completely assembled;
- 1 Receiver matching transformer;
- 2 Porcelain nail-on knobs; 1 Porcelain lead-in tube, 1 Adjustable ground clamp.

\$3.30

A7598. List, \$5.50. **YOUR PRICE**.....

A7597. RCA RK-40-A ANTENNA. Same efficient aerial as RK-40, but less the receiver coupler. **NET**..... **\$2.85**

A7593. 12855 COUPLER ONLY. Matching unit for RK-40-A Antenna. **NET**..... **\$4.50**

RCA 4738 TRANSMISSION LINE

Additional transmission line designed for use with the RCA RK-40, and RK-40-A antennas or with any other doublet type antenna system. This special transmission line assures the maintenance of proper line impedance and provides correct impedance match between antenna and receiver matching transformer. 80 ft. coil.

\$2.09

A7615. YOUR PRICE, PER COIL.....

ANTENNA INSULATORS

BEE-HIVE INSULATOR



For supporting wiring, or instruments. Made of glazed porcelain. 2" dia.; 2 1/4" high. Extra strong and d. May be used outside to support lead-in or ground wires.

A6190. 10 FOR 65c. EACH... **7c**

Porcelain Insulators



Glazed porcelain; corrugated for minimum leakage.

Extra strong. **A6192.** 2 1/2 inches. long. EACH..... **2c**

10 FOR 18c.

A6193. 4 inches. long. EACH..... **5c**

10 FOR 46c. EACH.....

A6194. 5 inches. long. EACH..... **8c**

10 FOR 75c. EACH.....

PYREX INSULATORS



Strong rugged insulators, with low power loss and low surface conductivity. Built to withstand heat, cold, and other atmospheric conditions.

A3750. 3 1/2" long. For Receiving Aerials. EACH..... **20c**

A3751. 7 1/2" long. Will handle up to 250 watts. **NET EACH**..... **75c**

Glass Insulators



Absolutely climate-proof. Extremely efficient; designed for great strain. 3 in. long.

A6196. 10 FOR 29c. 100 FOR \$2.45. **3c**

EACH.....

BAKELITE EYE WALL INSULATOR



Bakelite center mounted in galvanized screw eye.

A3430. 3 INCH. **1c**

A3416. 2 1/2 INCH. **2c**

A3431. 7 INCH. **4c**

10 FOR 35c. **NET EACH**.....

Stand-Off Insulator

Highest quality porcelain construction. 4 in. long. For efficient antenna installations.

A6191. 10 LOTS, 75c. EACH **8c**



Standoff Insulators

High-grade glazed porcelain construction with deep corrugations. Nickel-plated brass hardware.

A6148. 5 1/2 in. high, with base 2 1/2 inches square. **37c**

A6149. 3 1/2 in. high, with base 1 1/2 inches square. **18c**

NET.....

PORCELAIN TUBES

Durable. Non-absorbent porcelain.

Flanged at one end to avoid driving in too far. Inside dia. 5/8".

A6212. 3" Long. **2c**

10 FOR 18c. **EACH**.....

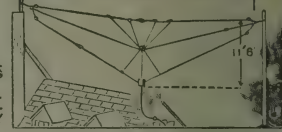
A6213. 6" Long. **3c**

10 FOR 24c. **EACH**.....

RCA SPIDER-WEB ANTENNA

ASSEMBLED

- A TRANSCONIC COMMUNICATIONS TYPE ANTENNA FOR THE HOME.
- REQUIRES SMALL SPACE—MEASURES ONLY 38x12 FT.
- FACTORY-ASSEMBLED—EASY TO INSTALL—RUGGEDLY CONSTRUCTED.
- EXTREMELY WIDE FREQUENCY RANGE, LESS NOISE.



This remarkable new transconic communications type antenna system consists of a series of doublet antennas and an improved transmission line. Completely assembled with special fittings to maintain proper tension on the leads. Easy to install—requires a span of only 38 feet; vertical clearance necessary is only 12 feet. Ruggedly built with seven strand No. 22 copper wire. Additional doublets may be added to increase the frequency range to 4,000 kc. (4 meters).

FULL WAVE COVERAGE

The RCA Spider-Web Antenna functions as a "T" type antenna from 140 to 4,000 kc., and as a multiple tuned doublet antenna from 4,000 kc. to 23 megacycles. Its unique multiple doublet design insures greater signal pickup on every receiving band—bringing in more stations than you ever heard before. Works especially well on the short wave bands, at the same time cutting out man-made static.

KIT CONSISTS OF:

- Complete assembly including: 6-coils of antenna wire of various sizes; 2 hangers; 1 coil of lead-in wire; 1 antenna receiver coupling transformer; 1 Spider-Web terminal transformer; 7 "U" clips; 1 antenna transformer connections; complete, detailed instructions for installing.

A7580. List, \$8.95. **YOUR PRICE**..... **\$5.37**

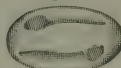
ULTRA HIGH FREQUENCY KIT FOR ABOVE

The Ultra High Frequency Kit increases the range of the Spider-Web Antenna from 23 megacycles to 70 megacycles, with full noise reduction. This feature is especially important because of the increased frequency range of modern all-wave receivers. This kit may be added at any time after antenna is installed.

A7581. List, \$1.50. **YOUR PRICE**..... **90c**

ANTENNA EQUIPMENT

Airplane Insulator



Stream-lined strain insulators, made of low-loss glazed white porcelain. Ideal for breaking up antenna guy wires. Size 1 1/2"x 3/4".

A6217. Wt., 8 oz. 10 FOR 19c. **2c**

YOUR PRICE EACH.....

Strain Insulator

Brown porcelain construction. 2 1/4" long, 1 1/2" dia. Unusually strong.

A6195. 10 LOTS, 45c. EACH. **5c**

EACH.....

PORCELAIN NAIL KNOBS



Sturdy split knobs of glazed white porcelain for holding lead-in and ground wire away from walls. Have alligator jaws for sure grip of wire. Leather washers prevent splitting. 1 1/2" high, 1 1/2" diam. Sings wt., 1/2 lb. each.

A3416. 10 FOR 17c. **2c**

100 FOR \$1.55. **EACH**.....

Antenna Insulators

Made of white glazed, wet process porcelain. Have great dielectric and tensile strength. Very low capacity, low leakage. For transmitting or receiving aerials. All 1" diameter.

A3415. 7 inches long. **18c**

NET EACH.....

A3416. 12 inches long. **26c**

NET EACH.....

A3417. 20 inches long. **34c**

NET EACH.....

TRANSPPOSITION BLOCKS



Made of glazed ceramic material. Correctly designed to prevent twisting of transposed lead-ins, reduces electrical loss to minimum. 2 1/2"x1 1/2".

A6218. Wt., 3 oz. 10 FOR 75c. **5c**

YOUR PRICE EACH.....

CAGE AERIAL SPREADER

Porcelain spreaders for cage aerials. Sturdily constructed of special moisture-proof porcelain. Unglazed. High in insulating properties, with long leakage path. 2 1/4"x2 1/4"x 1/2".

A6219. Wt., 3 oz. 10 FOR 75c. **8c**

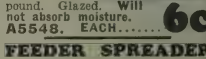
YOUR PRICE EACH.....

Crossover Insulator

Designed for use with double-doublet antenna systems. Made of a low-loss ceramic compound. Will not absorb moisture.

A5548. EACH..... **6c**

FEEDER SPREADER



Made of high-grade white glazed porcelain. For correct spacing of parallel antenna feeders. Reduces electrical loss. 3/4" wide x 1/4" thick.

A6218. 3 1/2" long. **5c**

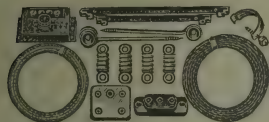
NET EACH.....

A6219. 6 1/2" long. **12c**

NET EACH.....

All-Wave

KNIGHT UNIVERSAL ANTENNA KIT



A complete kit of essential parts. Enables you to erect the most efficient type of antenna for your particular set. Includes sufficient material for an antenna of the "Marconi," "Doublet," "Double-Doublet," or "Matched Impedance" type, whichever you prefer.

KIT CONSISTS OF:

100 ft. coil stranded copper wire; 5 ft. coil rubber-covered twisted transmission line; Porcelain crossover block; 4 glass insulators; 2-5" screw eyes; Doublet type lightning arrester; Doublet window strip; Ground clamp; 1 antenna coupler; complete instructions. An unusual value.

A3380. List, \$4.00. **\$1.81**
NET

All-Directional Aerial

Increases the selectivity and sensitivity of any set. An unusually efficient antenna of entirely new design. Permits absolutely All-Directional reception. Will materially improve reception on short wave bands; makes possible improved efficiency on standard broadcast band. May be quickly installed with a screw-driver. Eliminates all masts, poles, long aeriels, dangling wires, etc. Requires only a very small space for mounting. Furnished complete with mounting hardware. Weight, 100 lbs.

A10010. List, \$2.75. **\$1.62**
YOUR PRICE

AERIAL ACCESSORIES

MUELLER CLAMP

Durable and rigid because of channeled construction. Case hardened screw. Cadmium plated.

A6508. **6c**
Lots of 10, 47c.
100 Lots, \$4.50. EACH.

STRAP CLAMP

Will fit any pipe or rod. Grips securely to make a positive ground contact.

A3426. PER 100, \$2.25. NET
EACH..... **3c**

GRIPPER Ground Clamp

This heavy-duty clamp may be used on any pipe or rod up to 1 1/2" in diameter. Pointed screw assures positive contact through paint or rust.

A3599. EACH..... **3c**
10 LOTS..... 25c

KNOC-OUT Ground Clamp

An efficient and easily attached clamp which makes sure contact.

A3429. Per 10, 45c. NET EACH..... **5c**

Insulated Staples

Saddle type insulated staples. Sturdy, durable, and very useful. Packed 100 to the box.

A3975. Per Box of 100..... **10c**
Per 1000 (10 Bxs.)..... 95c

Window Lead-In

Fits between sash and sill. Patent connector on each end. Ducto insulated braid.

A3428. 16 inch. NET EACH..... **5c**
A3427. 12 inch. PER 100, \$2.85. NET EACH..... **4c**

DOUBLE-WINDOW LEAD-IN STRIP

Designed for use with any two-wire lead-in, or transmission line. Completely insulated; with screw terminals; 12" long.

A6198. YOUR PRICE..... **9c**

AERIAL SPRING ADJUSTER

Prevents antenna sag. Powerful, compression type rust-proof spring. With porcelain insulator end rings. Especially suited for doublet type antennas to prevent swaying.

A2500. List, 50c. YOUR PRICE..... **29c**

SPRING AERIAL

Especially desirable where space is limited. Easy to erect. Is non-directional. Stretch of 15 to 30 ft. With two fibre end insulators.

A3433. YOUR PRICE..... **9c**

ANTENNA KITS & EQUIPMENT.

KNIGHT CUSTOM-BUILT ANTENNA KITS

Now there is available maximum all-wave reception from popular sets. These new Knight Antenna Kits have been scientifically designed to exactly fit the requirements of the particular set for which they are listed. Each component unit is of the highest quality. These kits are noise-reducing and famous for greater signal pickup. A worth while investment for improved set performance.

FOR PHILCO SETS

Fully assembled, ready for immediate erection. Off-center-fed doublet type designed to offer an exact match to the Philco input circuit. Has scientifically correct receiver coupler.

A3381. NET..... **\$2.56**

FOR GRUNOW SETS

A dual doublet type antenna. Designed to operate at peak efficiency with Grunow All-Wave sets. Will pep up reception on all bands and reduce extraneous noises.

A3382. NET..... **\$2.08**

FOR ZENITH SETS

Balanced doublet type with noise rejecting transmission line. Permits greater distance reception on all bands. Designed for maximum performance with Zenith sets.

A3383. NET..... **\$2.32**



FOR RCA-VICTOR SETS

Completely assembled double-doublet all-wave antenna. Developed especially for use with RCA-Victor sets. Provides maximum signal pickup on all bands.

A3384. NET..... **\$2.32**

FOR GENERAL ELECTRIC SETS

Scientifically designed "V" type doublet antenna. Fully assembled, ready for immediate erection and use with General Electric sets. Develops uniform reception performance on all wave bands.

A3385. NET..... **\$2.32**

FOR CROSLY SETS

A balanced doublet antenna with transposed two wire lead-in. Receiver transformer furnishes perfect impedance match with input circuits of Crosley receivers.

A3386. NET..... **\$3.03**

Tubular Steel Masts

Sturdy, neat-appearing, weather-proof aerial supports. Made of substantial steel tubing, combining strength with light weight. Finished in baked green enamel. Each section is 3/2 feet long. Base fittings are adjustable to fit any roof angle. Additional sections may be added to increase height.

No.	Length Extended	NET
A10001.	3 1/2 ft.	\$0.59
A10002.	7 ft.	1.03
A10003.	10 ft.	1.22
A10004.	13 ft.	2.20
A10005.	3 ft. sectional extension to increase height of any of above masts. EACH.....	59c

LIGHTNING ARRESTERS

Approved Porcelain Arrester



A high grade dependable air gap type arrester. Porcelain construction. An unusual value.

A3425. 12 FOR 70c. EA... **7c**

Electrostatic Arrester



Combination lightning and static arrester. Incorporates choke coil and condenser acting as noise and static reducer and filter. Affords maximum protection against fire hazard.

A5533. List, \$1.00. NET **43c**

NEW DOUBLET ARRESTER



Two arresters combined in one single unit. May be used indoors or outdoors for any two-wire lead-in or transmission line. Black porcelain case; weather-proof. Wt. 1 lb.

A5549. YOUR PRICE..... **18c**

Baby Bakelite Arrester



Absolutely dependable, safe, weatherproof type. Bakelite construction. Extremely compact to fit anywhere. Approved by the Underwriters' Laboratories. Gives ample protection.

A6199. 100 FOR 65c. EA... **7c**

BUD ARRESTER



Underwriters approved. Efficiently protects against lightning hazard. Also improves reception by rejecting static charges. Brown porcelain construction.

A2601. YOUR PRICE EACH..... **25c**

STORM KING ARRESTER



A new improved resistor type arrester. Positive protection; approved by underwriters. Absolutely assures against dangerous static discharges. Screw type terminals; weatherproof; may be installed indoors or outdoors.

A3432. NET..... **53c**

Aerials & Power Line Filters

TACO ALL-WAVE AERIAL

MODEL 200 ASSEMBLED



A completely assembled noise-free doublet antenna system. Particularly designed to reduce interference to an absolute minimum. Due to a novel, efficient automatic coupling transformer, signal strength is increased on all frequencies. This kit comes to you completely factory-assembled, with all connections soldered. For use with any receiver. Extremely simple to erect. Consists of: 2—30 ft. rolls antenna wire; automatic antenna coupler; 75 ft. twisted pair transmission line; 2 antenna insulators, all completely assembled; automatic receiver coupler; 2 nail-on knobs, 1 screw eye and complete instructions. Shpg. wt., 4 lbs.

A7904. List. \$6.75. YOUR PRICE

\$3.97

MODEL 500 JUNIOR ALL-WAVE KIT

This new factory-assembled All-Wave antenna kit is designed for maximum signal pick-up on all frequencies, with minimum noise. Automatic receiver coupler completely eliminates the necessity of switching the antenna from one band to another. Completely assembled kit contains: 2—30 ft. rolls antenna wire; 1—antenna transfer unit; 75 ft. transmission line; 2 antenna insulators; 2 stand-off insulators; 1 screw eye, and 1 receiver transformer.

A7907. List. \$4.50.

YOUR PRICE

\$2.65

MODEL 301 MASTER ALL-WAVE KIT

An All-Wave antenna kit scientifically designed to provide noise-free reception to as many as 25 receivers, with efficient signal pickup on all bands. Ideal for hotels, hospitals, etc.; also for dealers' demonstration rooms. Master Foundation Kit contains: 1—50 ft. and 1—22 ft. coil of 7x20 tinned copper aerial wire; 1 transfer coupler; 1—35 ft. coil transmission line and 2—7 inch insulators.

A7905. List. \$6.00.

YOUR PRICE

\$3.53

RECEIVER COUPLERS FOR NO. 301 TACO AERIAL

A7908. Type 302. For exposed wiring. YOUR PRICE... \$1.47

A7909. Type 303. For conduit wiring. YOUR PRICE... 1.47

DX LIFETIME AERIALS



Efficient non-directional antennas, fully-assembled. Designed to increase selectivity and reduce interference. Especially suitable for successful short wave reception. Convenient form makes installation easy anywhere. Built of 7/24 stranded enamel copper wire with zinc spacer rings. Assembled with two porcelain insulators and with 25 feet of rubber-covered lead-in wire soldered on.

NO. 60

A9135. Length, 50 ft. 6 spacer rings. Contains 250 ft. wire. Shpg. wt., 4 lbs.

YOUR PRICE

\$2.23

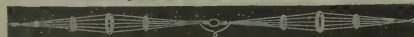
NO. 20

A9137. Length, 20 ft. 5 spacer rings. Contains 100 ft. wire. Shpg. wt., 2 lbs.

YOUR PRICE

\$1.35

No. 46 DOUBLET SYSTEM



A new doublet type cage antenna designed for noise-free Short-Wave reception. Ideal for use with any All-Wave or Broadcast set. Consists of: 2—20 ft. cage aerials completely assembled with 25 ft. twisted pair lead-in. Each cage has 5 spacer rings and contains 100 ft. of wire. Should be used with an All-Wave coupler for maximum efficiency. Weight, 4 lbs.

A9138. YOUR SPECIAL PRICE...

\$2.65

NO. 25 DOUBLET SYSTEM

A noise-reducing aerial for use with all-wave receivers where space is at a premium. Only 10 feet long. Each 5 foot cage contains 25 ft. of wire, connected to 25 ft. of twisted pair weather-proof lead-in wire. Includes 4 antenna insulators and instructions for installation.

A9144. YOUR SPECIAL PRICE...

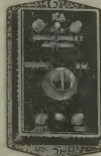
A9146. NO. 50 DOUBLET SYSTEM. Same as above

but with 50 feet of twisted pair lead-in. NET.

\$1.46

\$1.76

RECEIVER MATCHING TRANSFORMER



A compact and well-made unit for matching the transmission line of any doublet aerial to any All-Wave or Short Wave receiver. Provides a very efficient match between antenna and receiver. Works with transmission line to eliminate noise and increase signal strength on all bands. Has changeover switch for all-band operation.

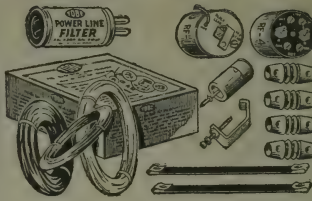
A9543. List. \$1.50.

YOUR PRICE

\$1.81

TOBE ALL-WAVE AERIAL KIT

MODEL 34



A newly engineered Tobe product, designed to eliminate interference and to increase receiver efficiency. Intended for use on all frequencies from 2 to 600 meters. Uses a single wire antenna for easy installation but may be employed with a n-y doublet antenna if desired. Complete kit contains: 75 ft. Aerial Wire; 4 Insulators; 1 Aerial Transformer; 50 ft. Twisted Pair Transmission Line; 1 Receiver Coupler; 1 Power Filter; all necessary hardware and instructions.

A8400. List. \$5.95.

YOUR PRICE

\$4.99

Power Line Filterette

Designed by TOBE to eliminate radio noises coming through the power line. Effective filter action is attained through combining capacity and inductance in one carefully engineered unit. For installation between set and power line. For use where line voltage does not exceed 150 volts. Shipping weight, 3 lbs.

A8405. List. \$4.95. NET...

YOUR PRICE

\$2.90



AC-DC POWER LINE FILTER

An easily installed TOBE capacity type line filter which will effectively eliminate line noises. Plugs into electric light socket or wall receptacle. Receiver power cord plugs into top of filter unit. Efficient in operation. Materially reduces disturbing radio interference from power line. For 110 volt lines. Shpg. wt., 1 lb.

A8406. List. \$1.00.

YOUR PRICE

\$5.99

Taco Noise Rejector

New Taco variable impedance-matching antenna unit designed for use with any doublet antenna regardless of design. Background noise is absolutely eliminated by matching antenna to receiver. Quickly adjusted by means of knob on top. Improves Short Wave reception. Wt., 1 lb.

A7902. List. \$2.50.

YOUR PRICE

\$1.47



NET

DOUBLE-TUNED AERIAL ELIMINATOR

This carefully designed unit will help to increase the selectivity of any radio. Ideal for A.C.-D.C. sets to increase power and distance reception. Compact and efficient; eliminates noises. Easy to install. Has movable arms to match impedance of receiver.

A2750. List. \$1.00. NET...

YOUR PRICE

\$5.99

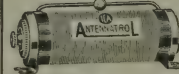
DYNATROL FILTER AND INDOOR ANTENNA

Combination indoor aerial and line noise filter. Plugs into light socket. May be used with regular aerial to gain increased pick-up. Reduces noise and improves set sensitivity. Highly efficient.

A5518. List. \$1.50.

YOUR PRICE

\$3.83



AERIAL ELIMINATOR AND ANTENNA TUNER

This new device operates as a noise reducer when used with A.C.-D.C. sets and as an antenna tuner when used with an indoor aerial. Easily installed; works with any receiver; will improve reception; increases volume on weak stations.

A5554. List. \$1.00. YOUR PRICE

YOUR PRICE

\$5.99

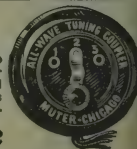
ALL-WAVE TUNING COUPLER

This unit will couple any doublet antenna to any All-Wave or Short Wave receiver. Ideal for providing proper matching between your set and any aerial kit listed in this catalog which has no receiver coupler. Will increase antenna efficiency.

A6604. List. \$1.00.

YOUR PRICE

\$5.00



Belden Radio Products

BELDEN MAGNET WIRE

Highest grade soft-drawn copper wire, uniformly insulated. Each spool one continuous length, uniformly drawn. Standard R & S gauge. Ideal for winding coils, chokes, etc. On convenient small-sized metal spools.

PLAIN ENAMELED					DOUBLE COTTON				
No.	1/2 LB. SPOOLS	Size	Feet	NET	No.	1/2 LB. SPOOLS	Size	Feet	NET
A3900	14	38		\$0.26	A3950	18	96		\$0.32
A3901	16	63		.26	A3951	20	150		.34
A3902	18	101		.26	A3952	22	234		.38
A3903	20	159		.26	A3953	24	362		.44
A3904	22	253		.26	A3954	26	508		.50
A3905	24	402		.26	A3955	28	842		.62
A3906	26	640		.29	A3956	30	1321		.63
A3907	28	1018		.32	A3957	32	1889		.68
A3908	30	1602		.36	A3958	34	2746		1.12
1/4 LB. SPOOLS					1/4 LB. SPOOLS				
A3909	32	1271		\$0.25	A3959	28	421		\$0.35
A3910	34	2021		.30	A3960	30	650		.41
A3911	36	3205		.37	A3961	32	945		.50
A3912	38	5118		.48	A3962	34	1373		.62
A3913	40	8334		.71	A3963	36	1900		.79

DOUBLE SILK					DOUBLE SILK				
1/2 LB. SPOOLS					1/4 LB. SPOOLS				
No.	Size	Feet	NET		No.	Size	Feet	NET	
A3980	18	98	\$0.47		A3987	24	196	\$0.33	
A3981	20	156	.49		A3988	26	310	.39	
A3982	22	252	.55		A3989	28	486	.46	
A3983	24	382	.63		A3990	30	775	.53	
A3984	26	620	.72		A3991	32	1207	.71	
A3985	28	962	.81		A3992	34	1828	.94	
A3986	30	1550	.97		A3993	36	2668	1.29	

MICROPHONE CABLE



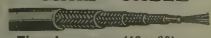
Flexible 3 conductor shielded cable. Stranded conductors are rubber covered and color coded; separated from shield by cotton wrapping. Two types: one with heavy brown cotton braid overall; one with live rubber overall with added cotton wrapping over shield.

A2438. COTTON BRAID.
100 FT. \$4.50.
PER FOOT.....**5c**

A2439. RUBBER COVERED.
100 FT. \$4.23.
PER FOOT.....**5c**

SHIELDED CRYSTAL

"MIKE" CABLE



Tinned copper (13x36) conductor. Six layers celanese and cotton insulation; tinned copper shielding; rubber-jacket overall.

SINGLE CONDUCTOR

A2470. 100 Feet \$3.18.
PER FT.....**4c**

DOUBLE CONDUCTOR

A2471. 100 Feet \$6.20.
PER FT.....**8c**

SHIELDED RUBBER-COVERED CABLE



Extremely high-grade multiple conductor, shielded, rubber-covered cable. For microphones, speakers, etc. For either indoor or outdoor use.

No.	Cond.	Per Ft.	NET	100 Ft.
A2462	2	3c	\$3.94	
A2463	3	4c	4.23	
A2464	4	6c	5.35	
A2465	5	8c	6.47	
A2466	6	9c	7.61	
A2467	7	10c	8.32	

AUTOMOBILE CORDLITE

A handy light for emergency road service, shop and garage use. Quickly clips to any 6 volt storage battery. Has 1/2 ft. No. 18 rubber cord with rubber socket, handle and heavy battery clips. End-opening guard has hook and reflector.

A2484. With 6 Volt 25 watt bulb. NET.....	\$1.81
A2483. Belden No. 1720. Household type. For 110 Volts A.C. or D.C. As above, but with rubber plug in place of clips. Less bulb. NET.....	\$1.21

BELDEN ALL-WAVE AERIAL KITS

No. 8906

A new noise-reducing antenna of latest design; two sections of different length provide maximum response to all frequencies. Variable receiver coupler allows accurate adjustment to meet varying conditions. Completely assembled, ready to erect. Kit contains: 1—48' coil and 1—16' coil 7x24 Beldenamtel wire; 75' twisted pair lead-in; 25' twisted pair interior lead-in; antenna coupler; 25' ground wire; 2—insulated staples; 2—8" stand-off insulators; ground clamp; nail-on knobs; 2—glass insulators; double lead-in strip; doublet lightning arrester; All-Wave receiver coupler, and instructions. Shpg. wt., 7 lbs.

\$4¹²

A2414. List, \$7.00.
YOUR PRICE.....

BELDEN JUNIOR KIT

An excellent All-Wave Aerial Kit; also suitable for low power Amateur transmitters, with slight change. Complete kit includes: 2—50' coils No. 14 solid Beldenamtel Aerial wire; 1—50' coil twisted pair lead-in wire; 2—3" glass insulators; 2—nail-on knobs; 2—screw eyes. Shpg. wt., 4 lbs.

A2402. Belden No. 9914 JUNIOR KIT.
List, \$2.00. YOUR PRICE.....

\$1.18

BELDEN ASSEMBLED ANTENNA SYSTEM

A completely assembled All-Wave Antenna System of the doublet type; provides noise-free operation of any radio set, and increases signal pickup. Factory assembled kit consists of: 2—30½' and 2—19½' coils 7x24 enamel wire; 75' twisted pair lead-in; 25' twisted interior lead-in; 25' ground wire; crossover block; lead-in strip; lightning arrester; insulators; nail-on knobs; ground clamp; variable receiver coupler; hardware; instructions. Easy to install. Shpg. wt., 6½ lbs.

A2407. No. 8912 BELDEN ANTENNA SYSTEM.
List, \$6.00. YOUR PRICE.....

\$3.53

ALL-RUBBER LEAD-IN WIRE

Stranded wire insulated with special rubber compound easily stripped for quick soldering and easy soldering.

No.	Size	Length	NET
A2422	14	50 ft.	\$0.50
A2423	14	250 ft.	2.40
A2424	16	50 ft.	.29
A2425	16	250 ft.	1.26

SHIELDED LEAD-IN WIRE

Heavy rubber insulation over stranded conductor. Overall shield of tinned braided copper wire. Ideal for shielded lead-in to reduce interference. Weatherproof.

No.	Size	Length	NET
A2427	14	50 ft.	\$1.06
A2428	14	250 ft.	5.00
A2429	16	50 ft.	.68
A2430	16	250 ft.	3.53

TWISTED LEAD-IN WIRE

Low impedance doublet type twisted pair lead-in. Flexible No. 20 (10x30 tinned) conductors, rubber-covered. Black weather-proof cotton braid over-all.

A2485. 80 Foot Coil. **97c**
NET

A2486. 500 Foot Coil. **\$6.12**
NET

DOUBLET ARRESTER

For use with any doublet antenna system. Provides complete protection. Sturdy brown porcelain casing with convenient mounting holes.

A2409. NET.....**21c**

BELDENAMTEL AERIAL WIRE

High conductivity copper aerial wire ideal for all types of Broadcast, A.I. Wave and Short-Wave aerials, either single wire, doublet or case types. S m o o t h enamel covering prevents corrosion and "weathering." Does not lose its conductivity even after extended periods of time and atmospheric changes. Available in either stranded or solid type.

7x22 ENAMELED

A2410. 75 ft.	38c
A2411. 65c. NET.....	
A2412. 100 ft.	50c
A2413. 85c. NET.....	
A2414. 150 ft.	73c
A2415. 125c. NET.....	
A2416. 1000 ft.	\$4.82
A2417. 85c. NET.....	

7x20 ENAMELED

A2415. 100 ft.	
A2416. NET.....	94c
A2416. 1000 ft.	\$9.29
A2417. \$15.80. NET.....	

SOLID ENAMELED

A2418. No. 10. 100 ft. NET.....	91c
A2419. No. 12. 100 ft. NET.....	62c
A2420. No. 14. 100 ft. NET.....	38c

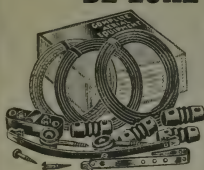
Bakelite Arrester

Underwriters approved. Sturdy and compact for outdoor or indoor installation. Has moulded bakelite body.

A2403. 10 FOR **15c**
\$1.39. EACH.

Aerial Wire & Equipment

DE LUXE AERIAL KIT



An exceptionally fine aerial kit. Permits erection of an efficient "Marconi" type antenna which will improve reception of any radio set. Kit contains: 100 feet of 7 strand copper aerial wire; 40 feet of rubber covered lead-in wire; 25 feet of insulated ground wire; four porcelain insulators; two screw-eye insulators; one lightning arrester; one window lead-in strap; and one adjustable strap-type ground clamp. Easily installed in any location. Shipping weight, 6 lbs.

A3486
YOUR SPECIAL PRICE.....

63c

STANDARD AERIAL KIT

A real value in a complete aerial kit. Includes all materials for a "Marconi" type antenna for use with any receiver. Consists of: 90 feet of 7x26 stranded copper aerial wire; 25 feet of rubber covered lead-in wire; window lead-in strap; two porcelain insulators; two nail-knobs; and an adjustable strap-type ground clamp. Conveniently boxed. Shipping wt., 4 lbs.

A3485

YOUR SPECIAL PRICE.....

37c

ALL-PURPOSE LEAD-IN WIRE

RUBBER COVERED LEAD-IN WIRE

Solid Wire

No.	Ft.	10 for	EACH
A3475	25	\$0.97	\$0.11
A3476	50	2.05	.21
A3477	100	4.00	.41
A3478	1000		3.95

Stranded Wire

Stranded No. 18 rubber-covered lead-in wire. Flexible and easy to work.

No.	Ft.	10 for	EACH
A3479	25	\$0.97	\$0.10
A3480	50	1.84	.19
A3481	100	3.66	.37
A3482	1000		3.60

SHIELDED LEAD-IN

For broadcast use.

No. 18 stranded tinned wire, with rubber covering; tinned women-copper braid over all.

No.	Ft.	10 for	EACH
A3482	50 ft.		45c
A3493	75 ft.		70c
A3494	100 ft.		88c

HANDYCORD LAMP CORD



Rubber-jacketed flexible cord; each conductor is No. 18 stranded copper wire, separately insulated in tough rubber sheath that splits exactly down center when pulled apart. Fine for lamps, radios, clocks, etc.

A3410. Brown.	
A3412. Black.	
A3413. White.	
PER FOOT.....	1c
PER 100 FEET.....	\$1.25
SPECIFY COLOR.....	

Twisted Lamp Cord



Underwriters approved. No. 18-1/2 rubber insulation with black cotton braid.

A3592. Per Foot.....	2c
NET.....	
A3593. Per 100 Ft. NET.....	\$1.45

Weatherproof

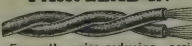
Twisted Pair Lead-in



For use as low-impedance transmission line with noise-reducing aerials. Two stranded copper conductors, rubber covered. Paralleled braid over all.

A2432. 100 ft. coils.....	95c
A2433. 500 ft. coils.....	\$4.45
NET EACH.....	
A2431. YOUR PRICE. Per Ft.....	1c

RUBBER TWISTED PAIR LEAD-IN



For all noise-reducing aerial systems employing doublet or double-doublet antennae. Low impedance No. 20 twisted black rubber covered multi-stranded conductors.

A3488. 50 ft. YOUR NET PRICE.....	45c
A3489. 100 ft. YOUR NET PRICE.....	88c
A3490. 200 ft. YOUR NET PRICE.....	\$1.73
A3487. Per ft. YOUR PRICE.....	1c

BELL WIRE

Thoroughly impregnated with paraffin. Barber pole color, cotton covering.

A2907. 25 foot Coils.....	5c
NET, EACH.....	
A2908. 1/4 lb. Coils.....	7c
NET.....	
A2909. 1/2 lb. Coils.....	13c
NET.....	

LITZ WIRE

Superior quality for low loss coil winding. 10 strands No. 38 enameled copper wire, white silk-covered.

A2927. 100 FT. SPOOL. NET.....	12c
A2928. 1 LB. SPOOL. (1100 FT.). NET.....	\$1.00

TEST-LEAD WIRE

Extra flexible No. 18 test lead wire (41 strands of No. 34 tinned copper wire cotton wrapped). Has 1/2" wall of rubber insulation. Waxed finish.

A2445. Red. NET, PER 25 FOOT COIL.....	29c
A2446. Black. NET, PER 25 FOOT COIL.....	29c

AERIAL WIRE VALUES



Exceptionally high quality hard-drawn copper wire. Has very little "stretch." Enameled wire will not corrode and has high conductivity. Excellent for all aerial requirements—All-Wave, Short-Wave, or Broadcast, either single-wire, doublet or cage type.

7x26 ENAMELED

A3447. 50 ft. 10 for \$1.05. EACH.....	12c
A3449. 200 ft. 10 for \$4.15. EACH.....	43c

7x22 ENAMELED

A3444. 50 ft. 10 for \$1.90. EACH.....	20c
A3445. 100 ft. 10 for \$3.70. EACH.....	39c
A3446. 200 ft. 10 for \$7.35. EACH.....	77c

7x20 ENAMELED

Tough and strong for long life and increased antenna efficiency. Heavy duty wire.	
A3434. 50 ft. YOUR PRICE.....	45c
A3441. 100 ft. YOUR PRICE.....	82c
A3442. 200 ft. YOUR PRICE.....	\$1.58
A3443. 500 ft. YOUR PRICE.....	\$3.85

7x26 STRANDED

A3438. 50 ft. 10 for 80c. EACH.....	9c
A3439. 100 ft. 10 for \$1.60. EACH.....	17c
A3440. 200 ft. 10 for \$3.20. EACH.....	33c

7x22 STRANDED

A3435. 50 ft. 10 for \$1.55. EACH.....	16c
A3436. 100 ft. 10 for \$2.75. EACH.....	29c
A3437. 200 ft. 10 for \$5.45. EACH.....	57c

7x20 STRANDED

A3432. 50 ft. 10 for \$3.10. EACH.....	32c
A3473. 100 ft. 10 for \$6.05. EACH.....	62c
A3474. 200 ft. 10 for \$12.10. EACH.....	\$1.23

PHOSPHOR BRONZE AERIAL WIRE

Strongest aerial wire made. Used commercially on all ships. Will not stretch. Has high conductivity. This is "lifetime" aerial wire, and will not break under extreme strain.

No.	Size	100 Ft.	NET EA.
A3460	7x22	100	\$1.10
A3461	7x22	200	2.15
A3462	7x24	100	1.25
A3463	7x24	200	1.45
A3464	7x26	100	1.60
A3465	7x26	200	1.15

Combination Aerial and Lead-In Wire

10 strands of No. 30 copper wire, insulated with Gutta Percha. Free-stranding. Non-corrosive. An all-purpose wire for aerial, lead-in and set hookup.

No.	Length	NET
A3468	1000 ft.	\$4.65
A3469	100 ft.	.48
A3470	50 ft.	.25
A3471	25 ft.	.13

Auto Ignition Cable



7 M.M. 16 gauge stranded wire covered with high tension rubber compound. Lequeen's cotton braid over rubber. Also furnished with woven copper shielding over lacquered cotton braid.

A3495. 10 Foot length.....	24c
A3496. Shielded. 10 Foot length.....	60c

SHIELDED LOOM

Heavily impregnated and weatherproofed. For shielding auto antenna lead-ins, cables, and grouped leads.

No.	Inside Dia.	Per 50 Ft.	Per Ft.
A3423	3/8"	\$2.05	5c
A3424	5/8"	3.10	7c

CORD SET

A high grade line cord for use on radios, lamps, fans, amplifiers, etc. 6 foot cord with rubber plug.

A3498. YOUR PRICE.....	15c
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SOLID ENAMELED

May be used for either transmitter or receiver aerials. Heavily enameled.

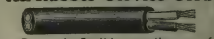
No. Ga. Ft.	10 for	Ea.
A3450 10 100'	7.25	\$0.75
A3451 10 200'	14.35	1.45
A3452 10 500'	35.25	3.65
A3453 12 100'	4.45	.45
A3454 12 200'	9.00	.92
A3455 12 500'	22.95	2.31
A3456 16 200'	5.85	.59

FLEXIBLE INDOOR ANTENNA WIRE

For AC-DC and Midget sets. Moisture - proof. Neat brown cotton covering for inconspicuous installation.

A3483. 100 Feet.....	45c
A3484. 25 Feet.....	15c

All-Rubber Service Cord



Round flexible weather-proof cable. No. 18 (16/20) stranded wire conductors, each rubber covered and coded, with cotton wrapping and outer live rubber sheath.

A2435. 2 COND. 100 FT. \$2.15. FT.....	2c
A2436. 3 COND. 100 FT. \$3.25. FT.....	3c

Flexible Spaghetti

Fine Cambridge tubing impregnated with varnish. YOUR PRICE PER 30' Lgth.

A2895. Black.	
A2896. Yellow.	
A2897. Red.	6c
A2898. Green.	
10 LENGTHS.....	55c

Copper Shielding

Tinned shielding. Very flexible. For use on amplifiers, speakers, auto radio. Easily soldered.

No.	Diam.	Per 50 Ft.	Per Ft.
A3595	1/4 in.	\$0.95	2 1/2c
A3596	3/8 in.	1.10	3c
A3597	1/2 in.	.65	4c
A3598	3/4 in.	2.35	6c

Hookup & Magnet Wire-Cables

SINGLE COTTON ENAMELED MAGNET WIRE

An exceptionally high grade magnet wire. Properly annealed for easy handling. High conductivity. Cotton wrap over enamel insures adequate insulation for use in winding coils, transformers, and small motors. Each spool holds one continuous, uniformly drawn and insulated length. B & S gauge.



1/2 LB. SPOOLS				1 LB. SPOOLS			
No.	Size	NET	Size	No.	Size	NET	Size
A1000	39	\$0.21	14	A1013	78	\$0.38	28
A1001	49	.22	15	A1014	98	.39	32
A1002	62	.23	16	A1015	124	.40	36
A1003	78	.24	17	A1016	156	.41	40
A1004	98	.25	18	A1017	196	.42	44
A1005	124	.26	19	A1018	248	.43	48
A1006	156	.27	20	A1019	312	.44	52
A1007	196	.28	21	A1020	392	.45	56
A1008	248	.29	22	A1021	490	.46	60
A1009	312	.30	23	A1022	604	.47	64
A1010	386	.31	24	A1023	740	.48	68
A1011	478	.32	25	A1024	896	.49	72

MAGNET WIRE ON SPOOLS

Insulated copper wire of highest quality for all radio and electrical purposes. Wound on spools in continuous lengths. Excellent for winding armatures and field coils, receiver and transmitter coils, winding power transformers and chokes. For shops, schools, laboratories, etc. Standard B. & S. Gauge. We can supply magnet wire in all sizes and types of insulation in larger quantities than listed below. Write for prices.



PLAIN ENAMELED 1/2 LB. SPOOLS

No.	Size	FT.	NET
A3520	14	38	\$0.16
A3521	16	63	.19
A3522	18	101	.20
A3523	20	159	.21
A3524	22	253	.24
A3525	24	402	.26
A3526	26	640	.28
A3527	28	1013	.31
A3528	30	1602	.34
A3529	32	2543	.37
A3530	34	4042	.45
A3531	36	6410	.56

DOUBLE COTTON 1/2 LB. SPOOLS

No.	Size	FT.	NET
A3533	14	36	\$0.21
A3534	16	61	.23
A3535	18	96	.26
A3536	20	150	.29
A3537	22	234	.30
A3538	24	362	.37
A3539	26	558	.48
A3540	28	842	.57
A3541	30	1321	.73
A3542	32	1880	.90
A3543	34	2746	1.14
A3544	36	3801	1.40

DOUBLE SILK 1/2 LB. SPOOLS

No.	Size	FT.	NET
A3546	18	49	\$0.23
A3547	20	78	.26
A3548	22	126	.28
A3549	24	196	.33
A3550	26	310	.39
A3551	28	486	.46
A3552	30	775	.53
A3553	32	1207	.70
A3554	34	1828	.90
A3555	36	2608	1.23
A3556	38	3875	1.82
A3557	40	6325	2.59

SPECIAL WIRE FOR FARM POWER PLANTS

Weatherproof single conductor wire for use with Winchcaper or Farm Power plants. Solid copper conductor; triple cotton-covered and impregnated. For battery charging, use wire as follows: At a distance of 75 feet from charger to battery, use No. 8; at 50 feet, use No. 8; at 25 feet, use No. 10; at 15 feet, use No. 12. For a single 6 volt 25 watt lamp: 150 feet from battery, use No. 8; 75 feet, use No. 10; 50 feet, use No. 12; 30 feet or less, use No. 14.

TELEPHONE WIRE

High grade No. 19 solid tinned copper; rubber insulation with 1/2 inch cotton braid overall. Evenly twisted, 1/2 inch insulation.

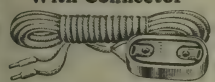
No.	Size	100 Ft.	Per Ft.
A2490	8	\$5.25	5 1/2 c
A2491	8	3.75	4 c
A2492	10	2.25	2 1/2 c
A2493	12	1.75	2 c
A2494	14	1.25	1 1/2 c

MULTI-CONDUCTOR CABLES

Well-made. For battery, speaker, and analyzer connections. Cotton braid overall.

4 1/2 Foot Cables			
No.	Conductors	NET	Per Ft.
A2901	5	22c	
A2902	6	25c	
A2903	6	35c	
A2904	9	49c	

EXTENSION CORDS With Connector



Flexible braid-covered cord for use with extension speakers, etc. Has phone tips and plug.

A5555.	20 Ft. Cord.	29c
A5556.	30 Ft. Cord.	39c
A5557.	50 Ft. Cord.	53c
A5558.	Extra Connector.	8c

Multi-Conductor Cables

High quality cable for almost every indoor or outdoor requirement. Each conductor is No. 18. Color-coded; flexible; made of best materials.

COTTON BRAID OVERALL

No. 18 stranded conductors, cotton covered with rubber jacket with brown cotton braid over all. Any length.

No.	Cond.	Per 10 Feet	NET
A3500	2	16c	\$1.30
A3501	3	23c	2.05
A3502	4	29c	2.75
A3503	5	33c	3.20
A3504	6	42c	3.85
A3505	7	48c	4.10

WOVEN SHIELDING OVERALL

Tightly woven overall shielding of fine tinned copper wire. Each is No. 18 conductor, insulated with rubber jacket. Any length.

No.	Cond.	Per Ft.	100 Ft.	NET
A3507	2	3c	30	\$2.50
A3508	3	4c	40	3.35
A3509	4	4c	40	3.85
A3510	5	5c	50	4.50
A3511	6	6c	60	5.65
A3512	7	7c	70	6.00

SHIELD AND RUBBER JACKET OVERALL

Heavy rubber jacket over tinned copper shielding. Ideal for outdoor and heavy duty service.

No.	Cond.	Per Ft.	100 Ft.	NET
A3514	2	3c	30	\$2.45
A3515	3	4c	40	3.75
A3516	4	5c	50	4.45
A3517	5	6c	60	5.10
A3518	6	7c	70	6.25
A3519	7	8c	80	7.25

CRYSTAL MICROPHONE CABLE

Shielded, rubber-jacketed cable. Conductor is of fine stranded copper; extremely flexible. Available in two types, single or double conductor. Low loss.

SINGLE CONDUCTOR			
A2499.	100 Ft.	\$3.10	
FOOT.		32c	
DOUBLE CONDUCTOR			
A2498.	100 Ft.	\$5.60	
FOOT.		6c	

PUSH-BACK HOOK-UP WIRE

SOLID TINNED COPPER CORE

Double cotton-covered, with paraffin treated damp-proof braid which pushes back easily. Solid tinned No. 20 copper wire core. A color for every circuit.



25 FOOT ROLLS			
A560.	Black.	PER ROLL	
A561.	Yellow.		
A562.	Red.		
A563.	Green.		
A564.	Blue.		
10 FOR	90c.	10c	

100 FOOT ROLLS			
A565.	Black.	PER ROLL	
A566.	Yellow.		
A567.	Red.		
A568.	Green.		
A569.	Blue.		
10 FOR	\$3.25.	33c	

1000 FOOT SPOOLS			
Solid push-back wire as described above in 1000 ft. continuous rolls in any color listed. Specify color when ordering.			
A5670.	1000 Ft.	\$3.05	
NET.			



25 FOOT COILS			
A572.	Red.	NET EACH	
A573.	Green.		
A574.	Blue.		
A575.	Black.		
A576.	White.		
10 FOR	\$1.05.	12c	
A577.	1000 Ft. ROLLS.		
Specify color.			
NET 1000 Ft.		\$3.85	

HEADPHONE & SPEAKER CORDS

Good quality replacement cords for headphones and magnetic speakers. Copper tinsel inner conductor covered with closely woven cotton braid; firmly anchored in terminating tips. Flexible and long-wearing.

SINGLE CORDS			
A2932.	4 foot cord. Tips on one end, spades on other. For speakers.		
A2933.	4 foot cord. Tips on both ends.		
YOUR PRICE,		8c	
EACH			
10 for 75c		100 for \$7.15	

STRANDED TINNED COPPER CORE

Core consists of multi-strand tinned No. 20 copper hook-up wire with cotton insulation. Flexible; easy to manipulate. Braid pushes back easily.

25 FOOT ROLLS			
A580.	Black.	PER ROLL	
A581.	Yellow.		
A582.	Red.		
A583.	Green.		
A584.	Blue.		
10 FOR	\$1.05.	11c	

100 FOOT ROLLS			
A585.	Black.	PER ROLL	
A586.	Yellow.		
A587.	Red.		
A588.	Green.		
A589.	Blue.		
10 FOR	\$3.90.	40c	

1000 FOOT ROLLS			
Stranded push-back hook-up wire in 1000 ft. lengths. Available in colors listed. Specify color when ordering.			
A5890.	1000 FT. NET	\$3.30	

NO. 14 PUSH-BACK WIRE

Ideal for wiring transmitters, power amplifiers, auto radio sets, etc. Conductor is tinned No. 14 soft-drawn solid copper. Moisture-proofed; newly developed insulation has high breakdown voltage factor. Consists of 2 wrappings of Cellulose-Acetate treated textile, with waxed cotton braid overall.

25 FT. COILS			
A2870.	Black.	NET EACH	
A2871.	Red.		
A2872.	Green.		
A2873.	Blue.		
A2874.	Yellow.		
A2875.	100 FT. ROLLS.		
SPECIFY COLOR.			
NET EACH		98c	

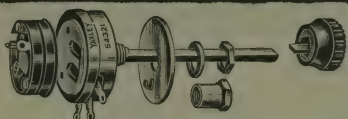
DOUBLE CORDS

A2934.	Spades on one end. Tips on other. 5 foot cord.	
A2935.	Tips on both ends. 5 foot cord.	
YOUR PRICE,		19c
EACH		
10 for \$1.75		100 for \$16.95

YAXLEY VOLUME CONTROLS

161 CONTROLS SERVICE 4610 RECEIVERS..

These new Yaxley Universal Controls make it possible for the serviceman to replace defective controls, regardless of size, shape, or electrical characteristics in over 90% of all the radio receivers in use today. With a comparatively small stock, you can now meet all service requirements which call for volume or tone control replacements.



New Yaxley Universal Controls feature:
 • Easily set minimum bias adjustment on all bias controls. • 3 inch shaft, easily cut to desired length—just notch with cutters and break off. • Easily attached separate Underwriters' Approved power switch. • Knob adaptor—Not necessary to file shaft. • Extension bushing—allows use of control through $\frac{3}{8}$ " panel.

TAPPED CONTROLS

With this important new series of tapped controls, the serviceman can now correctly replace practically any control this type. Used for "tone compensation" at low volume levels.

CAT. NO.	Res. Ohms	Tapped At Ohms	Fact. No.
A8525	6000	2500	TRP600
A8526	30000	6000	TRP601
A8528	63000	3000	TRP602
A8529	25000	Center	TRP603
A8530	35000	25000	TRP604
A8531	35000	75000	TRP605
A8532	50000	10000	TRP606
A8533	50000	Center	TRP607
A8534	1 meg.	20000	TRP608
A8535	1 meg.	Center	TRP609
A8536	1 meg.	20000	TRP610
A8537	2 meg.	17000	TRP611
A8538	2 meg.	25000	TRP612
A8539	2 meg.	45000	TRP613
A8540	35000	70000	TRP614

List, \$1.50. NET EACH **88c**

LINEAR CONTROLS

Identical in every respect to Yaxley Universal Controls, except for taper. These controls have uniform change of resistance per degree of rotation. WW indicates Wire-Wound.

CAT. NO.	Resis. Ohms	Fact. No.	Type
A8538	400	A400P	WW
A8539	550	A550P	WW
A8540	1000	A10MP	WW
A8541	2000	A2MP	WW
A8542	3000	A3MP	WW
A8543	5000	A5MP	WW
A8544	5000	Y5MP	Carbon
A8545	10000	A10MP	WW
A8546	10000	Y10MP	Carbon
A8547	20000	A20MP	WW
A8548	25000	Y25MP	Carbon
A8549	50000	Y50MP	Carbon
A8550	100000	Y100MP	Carbon
A8551	200000	Y200MP	Carbon
A8552	250000	Y250MP	Carbon
A8553	500000	Y500MP	Carbon
A8554	1 meg.	Y1000MP	Carbon

†=With adjustable bias.
 List, \$1.00. NET EACH **59c**

SINGLE CONTROLS

These Universal single control units are designed for replacement in practically any receiver using a knob adaptor. See bottom of page for explanation of tapers, * = Wire-Wound. †=With adjustable bias feature.

CAT. NO.	Resis. Ohms	Fact. No.	Taper Curve
A8565	2*	Q	IV
A8566	6*	R	IV
A8567	10*	S	IV
A8568	20*	T	IV
A8569	30*	U	IV
A8570	60*	V	IV
A8571	100*	W	IV
A8572	200*	X	IV
A8573	500*	Y	IV
A8574	1000*	B	C
A8575	†2000*	C	II
A8576	†7500*	C12	II
A8577	†13000*	D	II
A8578	†3000*	D7	VII
A8579	†3000*	D12	II
A8580	†5000*	E	II
A8581	†5000*	E7	VII
A8582	5000	E12	II
A8583	†7500*	F	II
A8584	†7500*	F7	VII
A8585	7500	F12	II
A8586	†10000*	G	II
A8587	†10000*	G7	VII
A8588	†10000*	H	II
A8589	†15000*	H7	VII
A8590	†15000*	H12	II
A8591	15000	I	II
A8592	20000	J	II
A8593	25000	K	II
A8594	50000	K12	II
A8595	50000	L	II
A8596	75000	Z	II
A8597	75000	Z12	II
A8598	100000	M	I
A8599	250000	N	I
A8600	500000	O	I
A8601	1 meg.	P	I
A8602	2 meg.	UC500	II
A8603	1000*	UC501	II
A8604	10000	UC502	I
A8605	150000	UC503	I
A8606	750000	UC504	I
A8607	3 meg.	UC505	I
A8608	4 meg.	UC506	I
A8609	5 meg.	UC507	I
A8610	5 meg.	UC508	I
A8611	9 meg.	UC509	II
A8612	250000	UC510	II
A8613	100000	UC511	I
A8614	25000	UC512	I
A8615	500000	UC513	I

List, \$1.00. NET EACH **59c**

Attachable Switches



Available in four types, these easily attached snap-on power switches fit any of the Yaxley controls on this page.

A8620. Type 6. Single Pole, Single Throw. Special thin design. List, 50c. NET **29c**

A8621. Type 7. Double Pole, Single Throw. Thin design same as Type 6. List, 60c. NET **35c**

A8622. Type 8. Single Pole, Double Throw. Slightly larger than Types 6 and 7. List, 60c. NET **35c**

A8623. Type 9. Single Pole, Single Throw. Same size as Type 8. List, 50c. NET **29c**

DUAL CONTROLS

These controls retain all of the features of the Universal controls. They are made up of two units of the Universal type, strapped together and driven by a common shaft.

CAT. NO.	Res. Ohms Front	Rear	Fact. No.
A8555	2000*	5000*	CE
A8556	10000*	5000*	GE
A8557	10000*	10000*	GG
A8558	10000	50000	GK
A8559	100000	100000	LL
A8560	100000	250000	LM
A8561	250000	250000	MM
A8562	250000	500000	MN
A8563	500000	500000	MN

†Indicates Wire-Wound.
 List, \$2.50. NET EACH **\$1.47**

FREE VOLUME CONTROL MANUAL

160 pages full of pertinent information, showing circuits, taper curves, etc., to aid you in replacing volume and tone controls. Lists accurate replacement data for hundreds of sets, with control circuit application and full technical data.

A8635. FREE.



EXTENSION SHAFTS

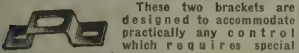


For use where longer shafts are required. May be easily cut to proper length.

A8625. RS-242. $4\frac{1}{2} \times \frac{1}{8}$ " dia., $\frac{1}{32}$ " flat. A8626. RS-243. $4\frac{1}{2} \times \frac{1}{8}$ " dia., $\frac{3}{32}$ " flat. A8627. RS-244. $4\frac{1}{2} \times \frac{1}{8}$ " dia., $\frac{1}{16}$ " flat. NET EACH **18c**

A8628. RS-245. $2\frac{1}{2} \times \frac{1}{8}$ " dia., with $\frac{3}{32}$ " slot. Enclosed in tight-fitting tube. A8629. RS-246. $\frac{3}{4}$ " wide $\times \frac{3}{32}$ " thick $\times \frac{1}{2}$ " long. Tongue shape and fitted with tube. NET EACH **21c**

MOUNTING BRACKETS



These two brackets are designed to accommodate practically any control which requires special mounting methods. Made of metal, easily formed to fit all requirements.

A8630. Type RB-248. Mounting centers $1\frac{1}{2}$ ". List, 20c. NET EACH **12c**

HEX SHOULDER NUTS

A8633. Type 2. For $\frac{3}{4}$ " panels. List, 20c. NET **12c**

A8634. Type 12. For $\frac{1}{2}$ " panels. List, 15c. NET **9c**

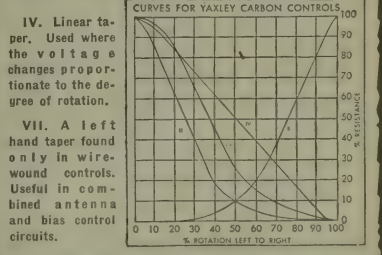
YAXLEY VOLUME CONTROL TAPERS

The graphs shown here illustrate the various tapers of Yaxley volume controls. To simplify the reader's understanding of these tapers, the following explanations are given:

I. A modified logarithmic left-hand taper in the carbon units; semi-logarithmic taper in the wire wound units. For use in shunt circuits, such as antenna and audio circuits.

II. A right hand logarithmic taper in the carbon controls, semi-logarithmic in the wire-wound types. For series circuits, such as cathode voltage controls.

III. Combination right and left hand taper. For antenna and "C" bias control.



IV. Linear taper. Used where the voltage changes proportionate to the degree of rotation.

VII. A left hand taper found only in wire-wound controls. Useful in combined antenna and bias control circuits.

NEW ELECTRAD STANDARD VOLUME CONTROLS



Carbon resistance element permanently fused to the flat outer rim of a strong Bakelite ring.



Mechanism provides 360-degree of continuous rotation in a straight path.



Long bronze tension spring. Special alloy floating control travels end-wise without chattering.



Standard metal cover held by one screw. Instantly interchangeable with power switch assembly.

Long aluminum shaft easily sawed or filed to desired length. Saves time and labor.



Molded Bakelite case protects mechanism and resistance element from dust and moisture.



Body of control extends only 1/2" back-panel, when mounted. Case only 1 7/8" wide.



New-type power switch assembly (approved by underwriters) interchangeable with standard cover.

The latest and finest Electrad line of Standard Volume Controls. Smooth, quiet, and long-lived. Unaffected by moisture. Contact shoe is self-wiping type. Increasing smoothness and quietness with use. Housed in molded bakelite case, 1/2" thick, 1 7/8" dia., with metal end cover and long 3/4" dia. aluminum shaft. New type convertible power switches (described below) may be easily added. All controls marked "W" are wire-wound.

CAT. NO.	MFG.	TAPER CURVE	TOTAL RES.
A4200	204W	D	10
A4201	269W	D	20
A4202	270W	D	30
A4203	271W	D	50
A4204	272W	D	100
A4205	273W	D	200
A4206	274W	D	400
A4207	901W	D	500
A4208	282W	D	600
A4209	275W	D	800
A4210	276W	D	1000
A4211	902W	D	1500
A4212	283W	D	2000
A4213	277W	D	3000
A4214	278W	D	4000
A4215	279W	D	5000
A4216	280W	D	6000
A4217	281W	D	7500
A4218	282W	D	10000

List, Each Standard Volume Control, \$1.00.
YOUR NET PRICE, EACH.

FADER CONTROLS (With Control Tap)			
CAT. NO.	MFG.	TAPER CURVE	TOTAL RES.
A4160	890	E	30,000
A4161	891	E	250,000
A4162	892	E	500,000
CONTROLS WITH TONE TAP			
A4244	894	E	500,000
A4245	895	E	1 Meg.
A4247	898	E	2 Meg.

List, Each, \$1.50.
NET, EACH

CAT. NO.	MFG.	TAPER CURVE	TOTAL RES.
A4240	995W	F	10000
A4241	996	F	10000
A4242	997	F	10000
A4243	998	F	10000
A4244	999	F	10000
A4245	999	F	10000
A4246	999	F	10000

DUAL CONTROLS FOR PUSH-PULL GRIDS FOR AUDIO AMPLIFIER USE			
CAT. NO.	MFG.	TAPER CURVE	TOTAL RES.
A4165	893T	E	500,000
A4166	896T	E	250,000

List, Each, \$2.50.
NET, EACH

59c

\$1.47

POWER SWITCHES FOR ELECTRAD CONTROLS

A4231. S.P.S.T. Type. Switch with 2 terminals. List, 50c. NET... 29c

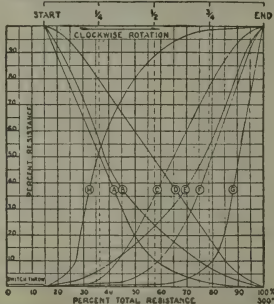
A4233. S.P.O.T. Type. Switch with 3 terminals. List, 60c. NET... 35c

A4234. D.P.S.T. Type. Breaks 2 circuits. Used in battery radios. List, 60c. NET... 35c

ELECTRAD TAPER CHART

Shows you how to select proper standard control. A = Cathode bias control. B = Cathode series control. C = Ant. Shunt or Ant. and bias control. D = Voltage divider. E = Ant. and "C" bias. Audio Shunt and tone control. F = Audio Shunt and tone control. G = Audio Shunt. H = Antenna Cathode heavy current control.

POSITION OF ARM WITH REFERENCE TO RESISTANCE ELEMENT



FREE VALUABLE VOLUME CONTROL GUIDE

New 1936 edition. Over 100 pages of valuable data. Contains alphabetical listing of all receivers for which Electrad controls are made; set name, model number, resistance value, etc. Given FREE on request with orders for one or more Electrad controls. A4249.



REPLACEMENT VOLUME CONTROLS

Manufacturer and Model	Cat. No.	YOUR PRICE
Allied Radio (See Knight)		
American Bosch Magneto Model 5	A4217	\$0.59
46DC, 27 Ambrola, 16 Ambrola, 35 Cruisers, 57, 87, 60	A4200	.59
10 Essex, 96, DC-96, 146, 166, 176, 46AC, 126, 107, 116	A4228	.59
44	A421	.59
58	A4230	.88
5A, 200, 201, 205, 206, 210, 211	A4251*	1.18
58, 62AC, 62DC	A4252*	.88
60, 41AC, 251, 350, 355, 360, 370	A4253*	1.18
4 Essex, 7, 7C, 7A, 20, 20J, 20K, 20L, 31, 32, 37, 30	A4254*	1.18
80, 84	A4255*	.88
60, 61, 63	A4256*	.88
100 (Auto Radio)	A4257*	.88
48AC, 49, 54DC	A4258*	1.47
58 (Tone Control)	A4228	.59
250, 312 (Tone Control)	A4225	.59
F. A. D'Andrea (Fada)		
41, 42, 44, 46, 47	A4229	.59
73, 74, 76, 79, 83, 85, 88, 89	A4214	.59
45, 45KU, 51, 53, 57, KX61	A4216	.59
SAC, 50/80, 22	A4200	.59
7AC, 45/72, 50, 1, 31, 10Z	A4259*	.88
40, 42, 45DA, 475CA	A4259*	.88
RP63CA, RP62UA, RP65CA, RP65UA, 262CA, 262UA, 263CA, 265UA	A4280*	.88
16, 17, 32, 15Z, 32Z, 15Z, 32Z	A4266*	.88
20, 20Z, 25, 25Z, 15M, 15MZ, 75, 77	A4262*	.88
475-A	A4263*	.88
48, 49, 80B, 80C	A4215	.59
48KW, 49KW	A4215	.59
K.O. KC, RG, 55, 58	A4218*	.59
43, 70Z, KQ, KP	A4264*	1.47
RC Chassis Units in 75, 79, 80 receivers	A4265*	1.47
Atwater Kent		
70, 74, 76, Series D, F, L-1, L-2	A4267*	1.47
55, 55C, 55F, 55FC, 56, 57, 60, 60C, 61, 61C, 66 (Strip)	A4278	.29
55, 55C, 55F, 55FC, 56, 57, (Hate Models)	A4268*	.47
LI Series, 70, 74, 76, 78	A4270*	.47
82, 82F, 85, 85F	A4271*	.18
80, 80F, 83, 83F, 90, 90F	A4272*	.18
84 (Late)	A4273*	.18
86 All Types	A4274*	.18
S2PC	A4275*	.18
82Q	A4276*	.88
37, 38, 40, 40Z, 41, 42, 42F, 43, 44, 47, 51, 53, 52 (Strip)	A4277*	.29
33, 424, 534, 816, 836	A4228	.59
Early 84, 84F, 84D, 84Q	A4356*	1.18
Brunswick Balke Colender Co.		
14, 21, 31	A4357*	1.18
P.R. 17-8, B17	A4282*	.88
R-1, 2KR, 2KR0, 3KR3, 3KR3, 3KR6, 3KR8, 5KR, 5KR6	A4283*	.88
3NC3, 3NW5, 5NO, 5NC5	A4284*	.88
17, 24, 25, 41A, 4A, D11, D12, D16, D18, D33	A4223	.59
51G, 51B	A4224	.59
DC 14, DC-21, DC-31	A4213*	.59
Below Serial No. 2500011, 12, 10, 33	A4286*	.88
31, 32	A4224	.59
Panatron (Phono Control)	A4287*	.59
PR-6	A4200	.59
32	A4210*	.59
Columbia Radio (See Knight)		
Crosley Radio Corp.		
XI, 31S, 4-20, 6-60, 6-85, 1FL200, 401A, 20, Bat, 21	A4200	.59
Bat, 22 Bat, 5-38, 6-75	A4200	.59
400, 410, 420	A4209	.59
608, 609 (1 1/2 inch Shaft)	A4282*	.59
Jewel Box	A4293*	.59
Buddy, Chum	A4206	.59
308, 31S, 33S, 34S, 27, 30, Late Models-40S, 41S, 42S	A4294*	.88
45S	A4207	.59
AC-7, AC-7C	A4207	.59
71A, Early Models-40S, 41S, 42S, 45S	A4295*	.88
92, 121, 121-1, Series B, 127	A4295*	.88
91, Auto Roaming, 56, 75	A4228	.59
53, 54, 57, 58, 55D-C, 56D-C	A4297*	.88
Early 704	A4298*	.88

* Exact Duplicate Control.
† Requires "On-Off" Switch, A4231.

VOLUME CONTROLS

[illegible]

STANDARD RADIOHM
VOLUME CONTROLS



The new small size CRL Standard Control. Listing below covers practically all requirements. Only 1 3/4" dia.; less than 3/4" deep without switch. With 2 1/4" x 1/4" shaft which may be cut to fit. Carbon type. See chart below for taper. Supplied with or without No. A3095 snap-on switch described below.

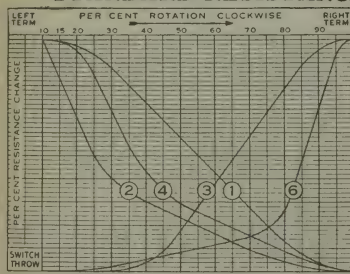
Less Switch	CRL No.	Max. Res. Ohms	With Switch	CRL No.
A3025	72-118	500	1	A3060
A3026	72-107	1000	1	A3061
A3027	72-101	2000	1	A3062
A3028	72-108	3000	6	A3063
A3029	72-109	4000	1	A3064
A3030	72-110	5000	1	A3065
A3031	70-204	5000	0	A3066
A3032	72-139	7500	1	A3067
A3033	72-114	10000	3	A3068
A3034	72-113	10000	3	A3069
A3035	72-100	10000	4	A3070
A3036	72-111	25000	6	A3071
A3037	72-115	15000	3	A3072
A3038	72-119	20000	3	A3073
A3039	72-121	25000	4	A3074
A3040	70-206	25000	4	A3075
A3041	72-102	25000	3	A3076
A3042	72-103	50000	1	A3077
A3043	72-117	50000	6	A3078
A3044	72-123	75000	6	A3079
A3045	70-202	75000	4	A3080
A3046	72-104	100000	1	A3081
A3047	72-122	100000	6	A3082
A3048	72-136	150000	6	A3083
A3049	72-120	200000	1	A3084
A3050	72-131	200000	6	A3085
A3051	72-121	250000	6	A3086
A3052	72-105	500000	6	A3087
A3053	72-106	250000	6	A3088
A3054	70-203	500000	2	A3089
A3055	72-140	750000	6	A3090
A3056	72-116	1 Meg.	6	A3091
A3057	72-137	2 Meg.	6	A3092
A3058	72-132	3 Meg.	6	A3093
A3059	72-138	250000	6	A3094
A3060	72-134	500000	6	A3095
A3061	72-135	1 Meg.	6	A3096

LESS SWITCH	WITH SWITCH
NET	NET
EACH	EACH
5 For	5 For
\$2.65	\$3.95

RADIOHM SWITCH COVER
Underwriters' approved. Bakelite insulated switch mounted on snap-on type plate. Remove plain cover at rear of any CRL control and "snap" switch cover into place.
A3095. NET EACH.....**29c**

SPECIAL SWITCH COVERS
A3210. Single pole, double throw switch; 3 terminals. NET.....**35c**
A3211. Double pole, single throw switch; 4 terminals. NET.....**35c**

STANDARD RESISTANCE CURVE CHART



The taper curves illustrated on the left will help you select the proper Centralab Volume Control for use in any type of radio circuit. The numbers shown on each curve correspond to the curve numbers given in the Standard CRL Control listing above. Standard applications of each curve are as follows: (1) Voltage divider with uniform resistance change, (Pot.). (2) "C" bias rheostat (L.H.). (3) Antenna and "C" bias of one tube (R.H.). (4) Antenna and "C" bias of two tubes (L.H.). (5) Audio grid, antenna shunt, or tone control (R.H.). Curves shown are arranged to indicate minimum volume at the left and maximum volume at the right. The figures at the left of the curves indicate percentage of resistance change; figures at top indicate percentage of clockwise rotation. Refer to this chart when ordering volume controls.

REPLACEMENT VOLUME CONTROLS

Manufacturer and Model Cat. No. NET
Allied Radio (See Knight)

37, 46Q, 558Q, 424, 534, A3052	\$0.59
37, 38, 40, 42, 82, 41, 43,	
44, 45, 53, 47,.....	A3106*
61, 61, 112 Series, 72,	
H1 Series.....	A3107*
F Series, L-2, P, 75, Q-2	
Late L-2, P, E, 70, A3108*	1.47
82Q, Batt. Sets.....	A3047
80, 83, 90.....	A3122*
165, 217, 240, 275, 310,	
667, 387, 448, 555, 708,	
82D, 188, 228, 280, 467,	
266, 612, 627, 808, 812,	
89F, 92.....	A3087

10 Midgett.....	A3112*
11, 12, 16.....	A3072
14, 21, 31 Panatone.....	A3076

Crosley Radio	
60, 61, 62S, 74, C-6, A3043	.59
41A, 42, 61, 602, 608, 610,	
609, 704, 705, and 706, A3103*	.88
AC7, Buyside, Chum.....	A3025
48, 48, 48S, 82S, 71A, A3114*	.59
21, 22 Batt.....	A3046
28, 30, 31, 33, 34, 315, A3115*	.88
127, 126-1.....	A3051
54, 57, 55, 605, 615,	
625.....	A3039
400, 410, 420.....	A3026
55, 91, 92 Auto.....	A3047
48, 77-1, 59.....	A3037
122 Super Smoker.....	A3027
154.....	A3070
124, 125.....	A3215*
65, 95, 98, 99, Auto Sets.....	A3091
400, 410, 420.....	A3036
141, 147, 155, 163, 166, 176,	
148, 159, 167, M5-3.....	A3065
50C, 1.....	A3087
134, 134-1, 175.....	A3052
146, 157, 158, 164, 170,	
166, 169, 172, 174, 176, A3068	.88

Edison, Inc., and Splitdorf	
R200.....	A3046
Cl, C2, R1, R2, Rear.....	A3117*
Cl, C3, R1, R2, SRC3	
Front.....	A3118*
R4, R5, C4, R6, R7, R12,	
Abbey Jr.....	A3119*
R122.....	A3027

Eveready (National Carbon)	
1, 2, 3.....	A3047
30, 40 Series.....	A3026
31 Series.....	A3046
50 Series.....	A3159*

Fada (F.A.D. Andrea)	
30, 30A, 31, 10, 11, A3100*	.88
16, 17, 32, 18DC.....	A3101*
35C, 35S, 40C.....	A3102*
25, 15M, 15MZ.....	A3103*
122-R3.....	A3039
41, 42, 44, 46, 47, 81, A4, 3055	.59
48, 49-KW.....	A3087
45, 51, 53, 57.....	A3067

Manufacturer and Model Cat. No. NET
General Electric

T41, RC3.....	A3125*
H31, H51, H71, S22, S42, A3029	.59
GET 12.....	A3038
MDO 2530.....	A3043
General Motors Radio (Day-Fan)	
5053, 5066, 5065, 5057,	
6DC, 32DC, 110-6-MG, A3039	.59
SAC, 5077, 5080.....	A3042
A5006, A5020, 211, 217,	
150, 160, "A", "B", A3043	.59
72.....	A3031
5003, 5004, 5010, 5001,	
5048.....	A3035
120A, 130, 140, 110, 13,	
189.....	A3216*
211-S9A, 89S, 838,	
201, S-1-A-218, 217,	
1001, 160.....	A3130*
S-11-D, 1095, 250, R1P-3-A3078	.88
S-2-A-251, 253.....	A3069
20, S-10-A, 10-B.....	A3071
218, S-2-B, S-3-A, S-3-B,	
252-S.....	A3067

Grunow (General Household Util.)	
500.....	A3090
501.....	A3087
1101.....	A3056
600 Chassis, 6A, C-1, C-2, A3146*	1.18
750.....	A3149*

Howard Radio	
SGA, SG, "C",.....	A3148*
SGE, EX, H-10, 35AC,	
44.....	A3034
A.V.D. K2, K3, K4, Z4, A3087	.88

Kennedy, Colin B., Corp.	
Royal 60, 80.....	A3052
128G, 10, 20, 22.....	A3152*
20, 34, 30, 32, 50, 52, 55, A3032	.59
"Royal",.....	A3047
26, 526, 826, 36, 38, 40, A3129*	1.47

Knight (Allied Radio Corp.)	
6/7, 8/9, 9 Tube Super, A3028	.59
SG9.....	A3154*
SG8, SG10.....	A3155*
AC5.....	A3046
7 Tube Super (108).....	A3069
9 Tube Super (114).....	A3087
7 Tube Super (110).....	A3047
(Tone Control).....	A3044

Kolster Radio (Columbia Phono)	
K21, 23, 24.....	A3044
K20, 32, E10, B15, B16,	
902, 961.....	A3042
Cl, C3, C2, C4, C5, C6,	
C7, 40-60-RK, 902, 930, A3055	.59
K42, K43, K44, K45.....	A3157*
930 Phono Comb.....	A3154*
950.....	A3035
160 Series.....	A3087
60 Series, 51-33 Colum	
bia.....	A3065
70, 80, 90 Series.....	A3071
32-34.....	A3069

Majestic (Grigsby-Grunow)	
70, 70B, 71, 72.....	A3131
180, 181.....	A3132*
50.....	A3035
50, 51, 52.....	A3133*
90, 91, 92, 150,	
(Equalizer).....	A3134*
90 Series.....	A3135*
90, 31, 250A.....	A3136*
120, 121.....	A3137*
130A, 130, 131, 132.....	A3138*
25, Early 251, 253, 254, A3139*	.88
15, 15E, 150.....	A3140*
120, 121.....	A3141*
60 Series, 160.....	A3142*
200, 211, 214, 215.....	A3143*
25B, 251B, 253B, 2541B	
35, 35S.....	A3226*
120B, 123.....	A3227*
110 Auto.....	A3228*
111 Auto.....	A3229*
114 Auto.....	A3230*
116 Auto.....	A3231*
118 Auto.....	A3232*
66 Ford Auto.....	A3233*
20, 21, 22, 23.....	A3234*
200, 201, 203, 204.....	A3235*
220, 221, 223.....	A3236*

*EXACT DUPLICATE CONTROL.

Centrala Volume Controls

REPLACEMENT

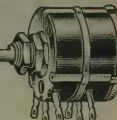
CENTRAL RADIO LABORATORIES

Manufacturer and Model	Cat. No.	NET
Majestic (Cont'd.)		
290, 300, 310, 77.....	A3237*	\$0.88
311, 771, 1011.....	A3238*	.88
340, 360, 380.....	A3239*	.88
370, 371, 373.....	A3240*	1.18
380, 381.....	A3241*	.88
400.....	A3242*	.88
460.....	A3243*	.88
490.....	A3244*	.88
500.....	A3245*	.88
570.....	A3246*	1.18
800.....	A3247*	.88
Montgomery-Ward (Airlite)		
1532-62, 3035-37-65-67.....	A3037	.59
WG-24, 62-C, 62-B, 62-7.....	A3072	.88
62-8, 62-9, 62-104.....	A3052	.59
62-22, 62-30, 62-21, Auto.....	A3052	.59
62-38, 62-40, 62-50, 62-91.....	A3055	.59
62-93.....	A3043	.59
62-1, 62-2.....	A3048	.59
13, 15, 16, 16X, 17, 18, 18X.....	A3248*	.88
07A.....	A3087	.88
87, 62, 101, 101X.....	A3249*	1.18
77, 95.....	A3249*	1.18
Philco		
65.....	A3233*	.88
86, 87, 511.....	A3161*	.59
1, 2, 3.....	A3053	.59
Transitone No. 7 Auto.....	A3052	.59
20, 21, 41DC, 42DC, 70.....	A3162*	1.47
70A, 77, 90 (2-45's).....	A3163*	.88
470.....	A3164*	.88
111, 111A, 112, 112A, 30.....	A3165*	.88
96.....	A3166*	1.18
52, 48 D.C., 51A.....	A3167*	.88
71, 47DC.....	A3221*	1.76
57.....	A3222*	1.76
60.....	A3223*	.59
16.....	A3224*	.59
70 Laxy X, 370.....	A3168*	.88
60, 261.....	A3169*	1.47
76.....	A3170*	.88
41, 42.....	A3171*	.88
35, 36 (Batt.).....	A3172*	.88
Ford Car Radio.....	A3173*	.88
38, 38A, Batt.....	A3174*	.88
81.....	A3175*	.88
90 Late.....	A3176*	.88
144.....	A3177*	.88
101 (4-47), 490.....	A3178*	.88
60 (2-47).....	A3179*	.88
610.....	A3180*	.88
R.C.A. Victor		
Radiola 17, 18, 20, 33.....	A3035	.59
41, 41DC.....	A3035	.59
R1, RE17, R42, R45.....	A3170*	1.47
R32, RE45, 52, 75, 145.....	A3170*	1.47
Victor 5 RE35, RC2A.....	A3029	.59
RE39, RE57, RE73.....	A3171*	1.47
R14, RE34, 45.....	A3029	.59
80, 82, 86, R5, 74A.....	A3172*	.59
RC50, R55, 2B, 46DC.....	A3173*	.59
95, R45, M30, RC57, RE21.....	A3043	.59
142-B, 241-B (Batt.).....	A3043	.59
21, 22.....	A3028	.59
44, 48.....	A3028	.59
60, 66.....	A3028	.59
RTM, R18W, R27.....	A3085	.88
RE20, R72, R71, R74.....	A3044	.59
RT6, RT7.....	A3044	.59
RS, R10, R11, D2, R21.....	A3219*	.88
R28, RE18, RE19.....	A3220*	.88
R7, R9, RC78A, RAE84.....	A3220*	.88
R7, R38P, 120, 140, 141.....	A3201*	.88
240, AVR-1, 350, 331.....	A3036	.59
RC52.....	A3036	.59
RC70, RC73-A.....	A3036	.59
RC74, R6, RE16A.....	A3030	.59
RG2, R12-20A.....	A3065	.88
RE40-F, R28-P, 110, 111.....	A3065	.88
115, 210, 310.....	A3063	.88
RT0, RE80.....	A3034	.59
A30, 101.....	A3064	.88
3064.....	A3078	.88
M145, M242, M243, M226.....	A3202*	1.18
118, 211.....	A3203*	1.18
Sears-Roebuck		
1390, 1400, 1402, 1414.....	A3072	.88
1406, 1580, 1582, 1584.....	A3072	.88
1590, 1592.....	A3072	.88
1704, 7070-1-2-3-4, 1706.....	A3087	.88
1707-6-7-8, 7091.....	A3087	.88
2-4.....	A3052	.59
1708-9, 1750.....	A3052	.59
Simplex		
H-AC, J.....	A3063	.88
K, R above serial 320001.....	A3069	.88
P.....	A3087	.88
P, Bax.....	A3032	.88
U, V (AC-DC).....	A3082	.88

Manufacturer and Model	Cat. No.	NET
Spartan		
61, 62, 71, 71B, 72, 78.....	A3086	\$0.88
39.....	A3054	.59
89A, 111A, 564, 570, 574.....	A3217*	.88
600, 610, 620, 737, 740.....	A3217*	.59
870.....	A3217*	.88
109, 101-103.....	A3026	.59
69, 79A, 101, 109, 110AC.....	A3218*	.88
301, 559, 591, 593, 930.....	A3056	.59
931.....	A3041	.88
31, 55.....	A3041	.88
235, 235 DC.....	A3041	.88
410, 420, 430 (Dual).....	A3041	1.76
5 and 9.....	A3069	.59
Stewart-Warner Corp.		
900 Series.....	A3176*	.88
1100 Series, 110 Series.....	A3177*	.88
950, 935.....	A3045	.88
811.....	A3129*	1.47
970AC, 980.....	A3025	.59
305, 315, 320.....	A3025	.59
300, 310, 325.....	A3031	.59
363.....	A3031	.59
R-104-A, B, E, 106, 108.....	A3087	.88
108X, 111AC and DC.....	A3088	.88
109 Series, R111, R115.....	A3052	.59
R116, R119.....	A3044	.59
110, A and E, 112 Auto.....	A3044	.59
11210.....	A3044	.59
101, 120, A-B-B.....	A3044	.59
105 Series.....	A3044	.59
Temple		
Batt. Set.....	A3052	.59
8-60, 8-80, 8-90.....	A3031	.59
8-60, 8-81, 5-55, 8-91.....	A3031	1.47
AC80.....	A3034	.88
150, 110, 119.....	A3065	.88
170.....	A3061	.88
Transformer Corp. (Clarion)		
51, 53, 55, 60, Jr.....	A3074	.88
70, 61, 83.....	A3037	.59
40, 100, G102.....	A3112*	1.18
90 Series, 94, 25-94.....	A3060	.88
C 120.....	A3034	.88
CI349, 102.....	A3061	.88
241, 240, 25-240, 360.....	A3052	.59
260, 25-260, AC-280.....	A3034	.88
250, 250, 480.....	A3034	.88
84, 87, 83.....	A3087	.88
AC-420, 450.....	A3033	.59
320.....	A3033	.88
422, 425, 425, 440.....	A3073	.88
422, 425, 425, 440.....	A3073	.88
Victrola & Radio		
Battery Models.....	A3054	.59
Glortone 31 Series.....	A3069	.88
Panatrope, 70, Radiotape.....	A3035	.59
Case 8-80, Heritage.....	A3031	.59
36, 37.....	A3072	.88
Midget 27 Series.....	A3072	.88
28 Series, 41, 42, 43, 44.....	A3025	.59
46, 47, 48.....	A3036	.59
49, Midget 32.....	A3033	.59
26B, 26P, 20, 99 Series.....	A3033	.59
8, 10 Series.....	A3035	.59
1010.....	A3087	.88
Wells-Gardner (Gulbransen)		
WG24, 201, CG, 9-in.....	A3147*	1.47
Line, Club Late.....	A3148*	1.47
82 Arcadia.....	A3148*	1.47
8 tube SG, 50, 70.....	A3030	.59
40A, 23 Series, 062 Auto.....	A3052	.59
WG5.....	A3072	.59
5 tube AC, 05A, 05AA.....	A3071	.88
06Z, 06W, Y6Z.....	A3087	.88
17A, Tone Control.....	A3248*	1.88
04A, 52 Series.....	A3090	.88
02A, 07A.....	A3052	.59
092 (1933).....	A3068	.88
05A, 5B.....	A3032	.59
10, 13 Series.....	A3032	.59
Zenith Radio		
1928 All Models, 15, 16.....	A3082	.88
17, 60, 61, 62, 64, 67.....	A3078	.88
62, 63, 64, 67.....	A3078	.88
563.....	A3191*	1.76
70 Series, 50, 60, 70, 71.....	A3191*	1.76
72, 73, 77, 712, 722.....	A3191*	1.76
732, 772.....	A3191*	1.76
"Zenith" AH, CH, RH.....	A3069	.88
3A, LP.....	A3069	.88
102, 112, 212, 11, 12, 52.....	A3192*	1.18
53, 54, 57, 522, 532, 542.....	A3070	.88
2009.....	A3043	.59
70X, 80.....	A3087	.88
230, 240, 245, 474.....	A3087	.88
2021, 2022, 2024, 2047.....	A3069	.88
2018, 250.....	A3086	.88
2017.....	A3193*	1.76
103 Car Radio.....	A3194*	1.18
715, 2053, 2054, 701-5-6.....	A3087	.88
7-11-12.....	A3087	.88

DUAL VOLUME CONTROLS

General purpose twin controls with many applications. Numerous sets now giving trouble with single controls may be improved with No. 74-601 if the original control is in the "C" bias circuit, or with No. 74-602 for the screen grid circuit. In both cases, back case is wired in like original control and shaft case is slanted from antenna to ground.

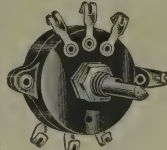


A3148, 74-601. BACK CASE, 25,000 OHMS FOR "C" BIAS; SHAFT CASE, 10,000 OHMS FOR ANTENNA.

A3129, 74-602. BACK CASE, 50,000 OHMS TAPERED AS S.G. POT.; SHAFT CASE, 10,000 OHMS FOR ANTENNA.

List, Each, \$2.50. NET EACH..... **\$1.47**

POPULAR CRL EXACT DUPLICATE REPLACEMENTS



EXACT DUPLICATE Replacement Volume Controls for a number of the most popular standard radio receiver models. Each control listed is designed to fit and perform exactly like the original used in the set. Splendid replacements which will give accurate and dependable service. (RCA-Victor Control is illustrated.)

Cat. No.	Mfu. No.	Set Model	NET
RCA-VICTOR			
A3125	62940	RC3, R15, RE17, R42, R48	\$1.47
A3170	10450	R32, RE45, RE52, RE75, RE145	1.47
A3171	62805	RE734, 35, 42, 57, 75, RC2A, R14	1.47
A3172	6049	21, 22.....	.88
A3219	1210900	RS, R10, R11, R12, R21, R26, RE18, RE19.....	.88


Cat. No.	Mfu. No.	Set Model	NET
PHILCO			
A3163	4093	96, 296, 30, 111, 211, 112, 212, 366, 296A, 111A, 112A, 212A.....	.88
A3162	5039	70, 90 (2-45's), 470, 70A.....	1.47
A3161	3076	86, 87, 511.....	.88
A3166	3790	95.....	.88
A3164	5830	51, 51A, 52, 48DC.....	.88
A3165	6490	71, 47DC.....	.88
A3162	4094	20, 21, 41DC, 77, 77A, 42DC.....	1.47
A3225	33-5067	Ford Car Radio.....	1.18
A3219	2211900	16, 18.....	1.18

Cat. No.	Mfu. No.	Set Model	NET
MAJESTIC			
A3131	105	70, 70B, 71, 72.....	.88
A3132	3063	30, 31, 151-2-3, 230A.....	1.76
A3140	5304	15 Series, 150.....	1.18
A3139	5316	25 Series.....	1.18
A3142	4008	60 Series, 100.....	.88
A3135	559	90B, 91, 92, 93.....	.88
A3138	890	130, 130A, 131, 132.....	.88
A3140	4082	55, 56, 57, 58.....	1.18
A3141	4762	120, 121.....	1.47
A3231	9825	116 Auto.....	.88

VOLUME CONTROL GUIDE

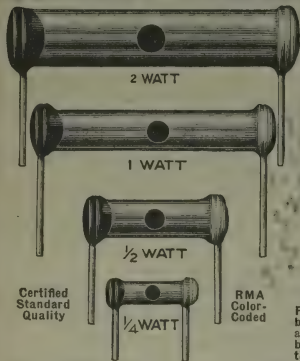
The latest edition of the CRL Volume Control Guide has 92 pages of important data, including complete standard set listings with proper replacement control for each; data on volume and tone control circuits, resistors, sound projection controls, R.M. Col. Co. Volume Guide etc. FREE on request with every order for CRL Volume Controls.

A3099. YOUR PRICE IF ORDERED SEPARATELY. 10c



Knight Carbon Resistors

HIGHEST STANDARD OF QUALITY ASSURED ACCURACY



- SOLID MOLDED; PERMANENTLY BONDED.
- TOLERANCE AVERAGE CLOSE TO 5%.
- ABSOLUTELY QUIET IN OPERATION.
- COMPLETELY MOISTURE-PROOF.
- NON-INDUCTIVE—NO CAPACITY EFFECT.
- MAINTAIN RESISTANCE VALUES OVER WIDE TEMPERATURE RANGE.
- OXYGEN-WELDED TINNED LEADS.

The finest carbon resistors you can buy at any price. Use these highest quality units with confidence, in any R.F. or Audio circuit. No other resistor is so universally used. Knight Carbon Resistors are of solid molded construction, permanently bonded, with solid cross-section. They are outstandingly superior. Impervious to moisture, quiet in operation, non-inductive; have low temperature coefficient; are mechanically strong. They will carry 100% overload without being permanently affected. Tinned soft-drawn copper leads are "copper-bonded" by oxygen welding process to the solid resistor body. Each resistor is RMA Color Coded for your convenience.

The tolerance of each and every Knight Carbon Resistor is held within 10% (average close to 5%) by using automatic testing machines. This is your assurance of accuracy and quality. Save and profit by using Knight highest standard Carbon Resistors—the resistor units with the outstanding features.

HANDY KNIGHT RESISTOR KITS

These resistor kits are a handy asset in the shop or on service calls. Each kit is a carefully selected assortment of the most popular values of Knight quality Carbon Resistors, all RMA color-coded, and neatly mounted on a convenient sturdy strip. Each strip has a hole in one end for hanging on a nail or hook.

12 Popular Values In Each Strip

12 certified high quality Knight resistors of the types most frequently used in service work are included in the Knight Handy Resistor Kit assortments listed below. You can replace individual resistors as you use them by ordering single units from our regular Knight stock list. This assures you of a complete range of values at all times. Free RMA color-code chart is included with each kit.

1/2 WATT KITS

A5160. Consists of one each of the following 1/2 watt resistors: 200; 400; 500; 700; 1,000; 2,000; 3,000; 4,000; 6,000; 10,000; 12,500; and 15,000 ohms.
A5161. Consists of one each of the following 1/2 watt resistors: 20,000; 25,000; 30,000; 40,000; 50,000; 60,000; 75,000; 100,000; 250,000; 500,000 ohms; and 2 meg.
YOUR PRICE, EITHER KIT..... 50c

1 WATT KITS

A5162. Consists of one each of the following 1 watt resistors: 200; 400; 500; 700; 1,000; 2,000; 3,000; 4,000; 6,000; 10,000; 12,500; and 15,000 ohms.
A5163. Consists of one each of the following 1 watt resistors: 20,000; 25,000; 30,000; 40,000; 50,000; 60,000; 75,000; 100,000; 250,000; 500,000 ohms; and 2 meg.
YOUR PRICE, EITHER KIT..... 60c

HANDY R.M.A. COLOR CODE GUIDE



A handy pocket-size celluloid guide with rotary discs which show body, end and dot colors of resistors according to standard RMA color code. Gives resistance value quickly and easily; eliminates figuring.

A5109. YOUR PRICE..... 9c
FREE with order for resistor kit or 24 assorted resistors.

Resist. Ohms	1/4 WATT No.	1/2 WATT No.	1 WATT No.	2 WATT No.	Resist. Ohms	1/4 WATT No.	1/2 WATT No.	1 WATT No.	2 WATT No.
100	A4850	A4914	A4978	A5042	17500	A4882	A4945	A5010	A5074
150	A4851	A4915	A4979	A5043	20000	A4883	A4947	A5011	A5075
200	A4852	A4916	A4980	A5044	22500	A4884	A4948	A5012	A5076
250	A4853	A4917	A4981	A5045	25000	A4885	A4949	A5013	A5077
300	A4854	A4918	A4982	A5046	30000	A4886	A4950	A5014	A5078
350	A4855	A4919	A4983	A5047	40000	A4887	A4951	A5015	A5079
400	A4856	A4920	A4984	A5048	50000	A4888	A4952	A5016	A5080
450	A4857	A4921	A4985	A5049	60000	A4889	A4953	A5017	A5081
500	A4858	A4922	A4986	A5050	75000	A4890	A4954	A5018	A5082
600	A4859	A4923	A4987	A5051	100000	A4891	A4955	A5019	A5083
700	A4860	A4924	A4988	A5052	150000	A4892	A4956	A5020	A5084
800	A4861	A4925	A4989	A5053	200000	A4893	A4957	A5021	A5085
900	A4862	A4926	A4990	A5054	250000	A4894	A4958	A5022	A5086
1000	A4863	A4927	A4991	A5055	300000	A4895	A4959	A5023	A5087
1250	A4864	A4928	A4992	A5056	400000	A4896	A4960	A5024	A5088
1500	A4865	A4929	A4993	A5057	500000	A4897	A4961	A5025	A5089
1750	A4866	A4930	A4994	A5058	600000	A4898	A4962	A5026	A5090
2000	A4867	A4931	A4995	A5059	750000	A4899	A4963	A5027	A5091
2250	A4868	A4932	A4996	A5060	900000	A4900	A4964	A5028	A5092
2500	A4869	A4933	A4997	A5061	1 meg.	A4901	A4965	A5029	A5093
3000	A4870	A4934	A4998	A5062	1.5 meg.	A4902	A4966	A5030	A5094
3500	A4871	A4935	A4999	A5063	2 meg.	A4903	A4967	A5031	A5095
4000	A4872	A4936	A5000	A5064	2.5 meg.	A4904	A4968	A5032	A5096
4500	A4873	A4937	A5001	A5065	3 meg.	A4905	A4969	A5033	A5097
5000	A4874	A4938	A5002	A5066	3.5 meg.	A4906	A4970	A5034	A5098
6000	A4875	A4939	A5003	A5067	4 meg.	A4907	A4971	A5035	A5099
7000	A4876	A4940	A5004	A5068	5 meg.	A4908	A4972	A5036	A5100
8000	A4877	A4941	A5005	A5069	6 meg.	A4909	A4973	A5037	A5101
9000	A4878	A4942	A5006	A5070	7 meg.	A4910	A4974	A5038	A5102
10000	A4879	A4943	A5007	A5071	8 meg.	A4911	A4975	A5039	A5103
12500	A4880	A4944	A5008	A5072	9 meg.	A4912	A4976	A5040	A5104
15000	A4881	A4945	A5009	A5073	10 meg.	A4913	A4977	A5041	A5105

1/4 WATT NET EACH..... 4c Per Doz..... 43c Per 100..... \$3.55	1/2 WATT NET EACH..... 5c Per Doz..... 50c Per 100..... \$4.00	1 WATT NET EACH..... 6c Per Doz..... 60c Per 100..... \$4.85	2 WATT NET EACH..... 10c Per Doz..... \$1.10 Per 50..... \$4.40
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KNIGHT CARBON RESISTOR KITS EACH KIT CONTAINS 24 POPULAR VALUES

- HIGHEST QUALITY CARBON RESISTORS
- MOST POPULAR VALUES IN EACH KIT
- SAVES YOU TIME AND MONEY
- CONVENIENT—FOR TOOL KIT OR BENCH

These handy kits each containing 24 Knight Carbon Resistors of the most popularly used values will save you time and money. Values not listed may be quickly obtained by combining 2 or more units. One of these kits in your tool box will enable you to replace any defective carbon resistor, regardless of value. All resistors are of the highest quality, and are color-coded to conform with RMA standards. The high certified

quality of these Knight carbon resistors assures long, dependable performance. Each kit is packed in a handy, durable container, of a convenient size to fit in your tool kit, or for handy use on your service bench. You can replace resistor values as you use them by ordering individual Knight units listed above. This assures you of a complete and adequate assortment.

EACH KIT CONSISTS OF THE FOLLOWING VALUES:

OHMS	OHMS	OHMS	OHMS	OHMS	OHMS
200	1,000	6,000	20,000	50,000	250,000
250	2,000	10,000	25,000	60,000	500,000
300	3,000	15,000	30,000	75,000	1 meg.
400	4,000		40,000	100,000	2 meg.

1 WATT KIT

Consists of one each of the above resistors in 1 watt size.

A5106. \$1.25
YOUR NET PRICE.....

1/2 WATT KIT

Consists of one each of the above resistors in 1/2 watt size.

A5108. \$1.05
YOUR NET PRICE.....

1/4 WATT KIT

Consists of one each of the above resistors in 1/4 watt size.

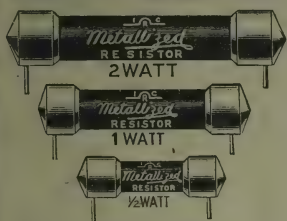
A5107. 88c
YOUR NET PRICE.....



A handy celluloid ALLIED RMA Color-Code Guide is included FREE with every Knight Carbon Resistor Kit.

IRC RESISTORS

IRC Metallized TYPE "F" RESISTORS



Quiet, metallized type resistors for use in critical circuits. Absolutely dependable famous IRC quality. Standard with leads manufacturers and radio servicemen. Order resistors wanted from list below, specifying resistance and giving stock number shown under each type.

STANDARD RANGES

OHMS	OHMS	OHMS	OHMS
60	2000	12500	200000
100	2250	15000	250000
200	2500	17500	300000
250	3000	20000	400000
300	3500	25000	500000
350	4000	30000	750000
400	5000	40000	1 Meg.
500	6000	50000	1.5 Meg.
600	7000	60000	2 Meg.
750	7500	65000	3 Meg.
800	8000	70000	5 Meg.
1000	9000	80000	6 Meg.
1250	10000	100000	7 Meg.
1500	11000	150000	10 Meg.

1/2 WATT. A5700. F-1/2. 1 1/2" long. Pigtail type. 50 OHMS to 5 MEG.
List. Each, 17c.
NET EACH **10c**

1 WATT. A5701. F-1. 1 1/2" long. Pigtail type. 100 OHMS to 10 MEG.
List. Each, 20c.
NET EACH **12c**

2 WATTS. A5702. F-2. 1 1/2" long. Pigtail type. 50 OHMS to 5 MEG.
List. Each, 30c.
NET EACH **18c**

Specify Value When Ordering

IRC Metallized Resistor Kits

Handy kits containing an assortment of the most popular values of the BT type insulated metallized resistors. Packed in neat, compact containers, of durable construction.

STANDARD 1 WATT KIT
A5715. Ten of the most used values of the popular type BT-1 fully insulated IRC resistors, in a handy container which can easily be carried in your pocket. Resistor values not included may be easily obtained by using two or more of the units in this kit.
NET **\$1.18**

STANDARD 1/2 WATT KIT
A5716. An especially handy assortment of ten type BT-1/2 resistors, consisting of the most popular values. Ideal for midget receiver servicing. NET **\$1.00**

SPECIAL 1 WATT KIT
A5717. A larger assortment of the most popular values of the type BT-1 resistors. Consists of 20 resistors of practical, most often used values, packed in a permanent container, with a definite space marking for each unit. Ideal for the service kit.
NET **\$2.35**

NEW IRC INSULATED TYPE "BT" METALLIZED RESISTORS

An improved new resistor design makes these units outstanding and desirable in every way. The metallized resistor element is sealed in completely by a special high voltage insulating material which absolutely eliminates danger of grounding. New small size gives unusual convenience. Wire leads of handy effective length are provided.

The heavy casing of insulating material makes these new units crack-proof and trouble-free. Accurate, durable and safe. The quiet performance of these new type resistors renders them ideal for use in AVC circuits, high gain amplifiers, etc. The resistance element is sealed in against moisture. Leads are effectively bonded to the resistance element.

STANDARD STOCK RANGES

OHMS	OHMS	OHMS	OHMS	OHMS	OHMS	OHMS
50	450	2000	7000	15000	50000	200000
100	500	2250	7500	17500	60000	250000
150	600	2500	8000	20000	65000	300000
200	750	3000	9000	22500	70000	400000
250	800	3500	10000	25000	75000	500000
300	1000	5000	12000	30000	100000	600000
350	1250	5000	12500	35000	125000	750000
400	1500	6000	12500	40000	150000	1 Meg.
						10 Meg.

Type BT-1/2-1/2 Watt

A5705. Available in all ranges above from 50 OHMS to 10 MEGOHMS. Only 1/2 inch long, 3/8 inch diameter, with 1 1/2 inch leads. Ideal for use in midget receivers. Specify values desired when ordering.
List. Each, 17c.
NET EACH **10c**

Type BT-1-1 Watt

A5706. A fine resistor for all radio applications. Small; accurate; sealed against moisture. Only 1 1/2" long, 3/4" diameter. Available in all values above from 50 OHMS to 10 MEG. Specify values.
List. Each, 20c.
NET EACH **12c**

Type BT-2-2 Watt

A5707. 1 1/2" long, 5/8" diameter; 1 1/2" tinned leads. Available in all above resistance values from 450 OHMS to 10 MEG. Specify values.
List, 30c.
NET EACH **18c**

IRC RESISTANCE INDICATOR



A calibrated adjustable resistor, protected by fuse against overload. Indicates the proper resistance value to use in any circuit. Fuse is readily accessible. Two scales are provided which give accurate readings from 100 to 100,000 ohms. Lead-bearing slider is permanently attached and stays set when adjusted. This valuable instrument will determine proper replacement values of defective resistors; measure unknown values by the substitution method; may also be used as a calibrated potentiometer or voltage divider, or as a temporary standard resistor. Complete with leads, alligator clips and instructions.
A5712. List, \$4.50.
YOUR NET PRICE **\$2.64**

FREE-NEW IRC RESISTO-CHEST

With Purchase of 56 Resistors



By ordering 56 of the new type BT-1 1 watt resistors, as any values listed above, you get this handy chest. Just the thing for your service bench. Chest measures 9 1/2" high, 4 3/4" wide, 5 1/4" deep; has 7 small drawers, 1 large drawer. Will hold several hundred resistors.

A5714. RESISTO-CHEST and 56 BT-1 1 watt resistors. **\$6.59**

RESISTO-CHEST ONLY

The above handy drawer-chest by itself, no resistors included. A real value at this price. A5713. YOUR PRICE **90c**

IRC POWER WIRE-WOUND RESISTORS

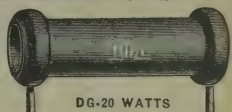
High quality wire-wound units of sturdy construction. Wound of the finest resistance wire, evenly spaced on non-hygroscopic ceramic core. Coated with a new durable cement which assures long efficient service even under conditions of extreme heat and humidity. Actual tests prove these units superior for mechanical strength, load capacity, lower surface temperature, etc. Ideal for Service and Amateur work. IRC Power Resistors conform to N.E.M.A. standards and are accurate to within 5%. With wire leads.

AB-10 WATTS

Popular size resistors available in all ranges up to 25,000 ohms. 1 1/2 in. long, 5/8 in. diameter.
List Ea., 40c.
NET **24c**

DG-20 WATTS

Available in ranges indicated below. 2 in. long; 3/4 in. diameter.
1-15,000 Ohm Units.
NET EACH **38c**
20,000-50,000 Ohm Units. EACH **44c**



Resist. OHMS	10 WATT NO.	20 WATT NO.	Resist. OHMS	10 WATT NO.	20 WATT NO.	Resist. OHMS	10 WATT NO.	20 WATT NO.
1	A5750	A5925	100	A5761	A5931	3000	A5772	A5942
2	A5751	.....	200	A5762	A5932	4000	A5773	A5943
3	A5752	.....	300	A5763	A5933	5000	A5774	A5944
4	A5753	A5926	400	A5764	A5934	7500	A5775	A5945
5	A5754	.....	500	A5765	A5935	10000	A5776	A5946
7.5	A5755	A5927	750	A5766	A5936	15000	A5777	A5947
10	A5756	.....	1000	A5767	A5937	20000	A5778	A5948
20	A5757	.....	1250	A5768	A5938	25000	A5779	A5949
25	A5758	A5928	1500	A5769	A5939	30000	.....	A5950
50	A5759	A5929	2000	A5770	A5940	40000	.....	A5951
75	A5760	A5930	2500	A5771	A5941	50000	.....	A5952

1/2 x 2 1/2 - 25 WATTS

All Variom units are $\frac{1}{2}$ inches in diameter. The adjustable lug is carefully designed to assure long life without undue wear on the wire. These units are ideal replacements for tapped voltage dividers. May be used in receiving sets, amateur transmitters, etc. Accurate to within 5% of the specified value. Listing below covers popular values.

Wire-wound replacement resistors 1/4 in. (100 ohms) 1/2 in. (200 ohms) 1 in. (400 ohms) 1 1/2 in. (600 ohms) 2 in. (800 ohms) 3 in. (1200 ohms) 4 in. (1600 ohms) 5 in. (2000 ohms) 6 in. (2400 ohms) 8 in. (3200 ohms) 10 in. (4000 ohms) 12 in. (4800 ohms) 15 in. (6000 ohms) 20 in. (8000 ohms) 25 in. (10000 ohms) 30 in. (12000 ohms) 40 in. (16000 ohms) 50 in. (20000 ohms) 60 in. (24000 ohms) 80 in. (32000 ohms) 100 in. (40000 ohms) 120 in. (48000 ohms) 150 in. (60000 ohms) 200 in. (80000 ohms) 250 in. (100000 ohms) 300 in. (120000 ohms) 400 in. (160000 ohms) 500 in. (200000 ohms) 600 in. (240000 ohms) 800 in. (320000 ohms) 1000 in. (400000 ohms) 1200 in. (480000 ohms) 1500 in. (600000 ohms) 2000 in. (800000 ohms) 2500 in. (1000000 ohms) 3000 in. (1200000 ohms) 4000 in. (1600000 ohms) 5000 in. (2000000 ohms) 6000 in. (2400000 ohms) 8000 in. (3200000 ohms) 10000 in. (4000000 ohms) 12000 in. (4800000 ohms) 15000 in. (6000000 ohms) 20000 in. (8000000 ohms) 25000 in. (10000000 ohms) 30000 in. 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(800000000000000000 ohms) 2500000000000000 in. (1000000000000000000 ohms) 3000000000000000 in. (120000000000000

OHMITE wire wound RESISTORS

10 WATT "BROWN DEVIL" RESISTORS



Suited to all radio uses. Accurately rated: wire-wound on high grade porcelain core. These resistors have a vitreous enamel coating for complete protection. Especially recommended for applications where abnormal moisture is present. Size, $1\frac{1}{2}'' \times \frac{3}{8}''$; with $1\frac{1}{2}''$ tinned wire leads.

No.	Ohms	No.	Ohms
A8000	1	A8032	1000
A8001	2	A8033	1100
A8002	3	A8034	1200
A8003	4	A8035	1250
A8004	5	A8036	1500
A8005	7.5	A8037	1750
A8006	10	A8038	2000
A8007	12	A8039	2250
A8008	15	A8040	2500
A8009	20	A8041	3000
A8010	25	A8042	3500
A8011	30	A8043	4000
A8012	40	A8044	4500
A8013	50	A8045	5000
A8014	50	A8046	6000
A8015	75	A8047	7000
A8016	100	A8048	7500
A8017	125	A8049	8000
A8018	150	A8050	8500
A8019	200	A8051	10000
A8020	225	A8052	11000
A8021	250	A8053	12000
A8022	300	A8054	12500
A8023	350	A8055	13500
A8024	400	A8056	14300
A8025	450	A8057	15000
A8026	500	A8058	16000
A8027	600	A8059	17500
A8028	700	A8060	18000
A8029	750	A8061	20000
A8030	800	A8062	22500
A8031	900	A8063	25000

List, Each, 40c.
YOUR PRICE, EACH

24c

20 WATT "BROWN DEVILS"

No.	Ohms	No.	Ohms
A8065	5	A8086	1500
A8066	10	A8087	1750
A8067	25	A8088	1850
A8068	50	A8089	2000
A8069	75	A8090	2250
A8070	100	A8091	2400
A8071	150	A8092	2500
A8072	200	A8093	2750
A8073	250	A8094	3000
A8074	300	A8095	3500
A8075	350	A8096	4000
A8076	400	A8097	4500
A8077	450	A8098	5000
A8078	650	A8099	6000
A8079	700	A8100	7000
A8080	750	A8101	7500
A8081	800	A8102	8000
A8082	850	A8103	10000
A8083	1000	A8104	12500
A8084	1200	A8105	15000
A8085	1250		

List, Each, 65c.
YOUR PRICE, EACH

38c

A8106	20000	A8110	40000
A8107	25000	A8111	45000
A8108	30000	A8112	50000
A8109	35000		

List, Each, 75c.
YOUR PRICE, EACH

44c

A8113	55000	A8118	80000
A8114	60000	A8119	85000
A8115	65000	A8120	90000
A8116	70000	A8121	95000
A8117	75000	A8122	100000

List, Each, \$1.00.
YOUR PRICE, EACH

59c

1 WATT "WIRE-WATT" RESISTORS



An excellent wire-wound resistor for use in all types of radio circuits. Noiseless; non-inductive. High dielectric core, covered with insulating material. RMA color-coded. $1\frac{1}{2}''$ tinned leads are brazed on to terminal lugs. Accuracy of rating is within 5%. Compact in size. Convenient to use.

No.	Ohms	No.	Ohms
A8125	100	A8146	2250
A8126	125	A8147	2500
A8127	150	A8148	3000
A8128	200	A8149	3500
A8129	250	A8150	4000
A8130	300	A8151	4500
A8131	350	A8152	5000
A8132	400	A8153	6000
A8133	500	A8154	7000
A8134	600	A8155	7500
A8135	700	A8156	8000
A8136	750	A8157	9000
A8137	800	A8158	10000
A8138	900	A8159	12500
A8139	1000	A8160	15000
A8140	1100	A8161	16000
A8141	1200	A8162	17500
A8142	1250	A8163	18000
A8143	1500	A8164	20000
A8144	1750	A8165	22500
A8145	2000	A8166	25000

List, Each, 25c.
YOUR PRICE, EACH

15c

CENTER-TAPPED "WIRE-WATTS"

1 watt center-tapped resistors. Wire-wound. Accurately adjusted.

No.	Ohms	No.	Ohms
A8170	10	A8175	40
A8171	15	A8176	50
A8172	20	A8177	75
A8173	25	A8178	100
A8174	30	A8179	200

List, Each, 35c.
YOUR PRICE, EACH

21c

WIRE-WOUND RESISTORS

Wire-wound on flat fibre strips. Low inductance.

No.	Ohms	No.	Ohms	NET EACH
A9075	1	A9082	15	7c
A9076	2	A9083	20	
A9077	3	A9084	25	10 FOR 63c
A9078	4	A9085	30	
A9079	6	A9086	40	NET EACH 8c
A9080	8	A9087	50	
A9081	10	A9088	100	10 FOR 73c
A9089	200	A9093	700	
A9090	400	A9094	900	NET EACH 8c
A9091	500	A9095	1000	
A9092	600			

CENTER-TAPPED RESISTORS

May be used in any filament or hum balancing circuit. Wire-wound on flexible fibre strip. Lugs are securely fastened, and tinned for easy soldering or for connection to any screw terminal. Absolutely dependable.

No.	Ohms	No.	Ohms	NET EACH
A9096	10	A9101	60	8c
A9097	10	A9102	100	
A9098	15	A9103	200	10 FOR 73c
A9099	20	A9104	400	
A9100	40			

EAGLE PLUNGER LEAKS

Adjustable type grid leaks with a range from 0 to 50 megohms. Standard mounting. Screw adjustment.

A3974. YOUR PRICE **28c**

10 WATT "RED DEVIL" RESISTORS



For all radio requirements. Wire-wound on low-loss porcelain core; coated with refractory cement which protects wire even at red heat. Will not deteriorate or change value with age. Efficiency is 100% at rated wattage; will stand temporary overloads of up to 50 watts. Size, $1\frac{1}{2}'' \times \frac{3}{8}''$. With firmly anchored $1\frac{1}{2}''$ tinned leads.

No.	Ohms	No.	Ohms
A8180	1	A8212	1000
A8181	2	A8213	1100
A8182	3	A8214	1200
A8183	4	A8215	1250
A8184	5	A8216	1500
A8185	7.5	A8217	1750
A8186	10	A8218	2000
A8187	12	A8219	2250
A8188	15	A8220	2500
A8189	20	A8221	3000
A8190	25	A8222	3500
A8191	30	A8223	4000
A8192	35	A8224	4500
A8193	40	A8225	5000
A8194	50	A8226	6000
A8195	75	A8227	7000
A8196	100	A8228	7500
A8197	125	A8229	8000
A8198	150	A8230	8500
A8199	200	A8231	10000
A8200	225	A8232	11000
A8201	250	A8233	12000
A8202	300	A8234	12500
A8203	350	A8235	13500
A8204	400	A8236	14300
A8205	450	A8237	15000
A8206	500	A8238	16000
A8207	600	A8239	17500
A8208	700	A8240	18000
A8209	750	A8241	20000
A8210	800	A8242	22500
A8211	900	A8243	25000

List, Each, 40c.
YOUR PRICE, EACH

24c

CENTER-TAPPED 10 Watt "RED DEVIL"

Highest quality. Accurately center-tapped.

A8250	10	A8255	40
A8251	15	A8256	50
A8252	20	A8257	75
A8253	25	A8258	100
A8254	30	A8259	200

List, 50c.
YOUR PRICE, EACH

29c

20 WATT "RED DEVIL" RESISTORS

A8265	30000	A8268	45000
A8266	35000	A8269	50000
A8267	40000		

List, Each, 75c.
YOUR PRICE, EACH

44c

A8270	55000	A8276	85000
A8271	60000	A8277	90000
A8272	65000	A8278	95000
A8273	70000	A8279	100000
A8274	75000		
A8275	80000		

List, Each, \$1.00.
NET EACH

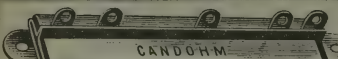
59c

ELECTRAD CENTER-TAPPED RESISTORS

Conveniently small, compact, and fully protected with a coating of enamel. Center tap accurate to within 1%.

No.	Ohms	No.	Ohms	EACH
A4610	10	A4614	50	15c
A4611	15	A4615	75	
A4612	20	A4616	100	
A4613	30	A4617	200	

Carachun RESISTORS



EXACT DUPLICATES

These resistors are EXACT DUPLICATES of the original units listed below, of extra high quality; used as original equipment by leading set manufacturers. To order replacements not listed below, mention number stamped on shell of original unit; if no number is shown, send in original resistor, giving name and model of set and we will supply proper unit.

- Exactly duplicate the original unit.
- Resistance remains unchanged indefinitely.
- The choice of leading set manufacturers.
- Over 10,000,000 in use today.

Cat. No.	Fact. No.	Total Ohms	NET
Clarion (Transf. Corp.)			
A6551	1819	15100	\$0.59
A6552	4268	15680	.68
A6553	4269	19000	.68
A6592	4267	19665	.68
A6593	4305	19600	.59
A6594	19112	19085	.59
Columbia (Knight)			
A6526	AC-5	8200	.54
A6527	AU-5	8100	.34
Crosley			
A6529	20452B	4295	.68
A6510	20909	10000	.49
A6521	219555	6500	.49
A6532	21956	3160	.29
A6534	22574A	5205	.59
A6536	28471	33500	.39
A6537	28756A	274	.49
A6535	20176B	900	.49
Emerson			
A6518	HR-38	1500	.20
A6539	HR-36	310	.78
Majestic			
A6543	10145	21702	.68
A6544	10252	10000	.29
A6547	12047	21613	1.12
A6545	10535	2300	.41
A6546	10636	41750	.82
International			
A6549	R-303	310	.78

Cat. No.	Fact. No.	Total Ohms	NET
A6550	R-304	135	\$.20
A6548	R-302	1500	.29
A6542	R-325	4600	.29
Simplex			
A6518	7705	20490	.49
A6519	7726	33000	.41
A6520	7725	110041	.41
U. S. Radio & Tel.			
A6555	1752	22600	1.56
A6556	1959	23800	1.56
A6557	2153	3640	.39
A6558	2203A	3640	.49
A6559	2715	6055	.49
A6561	2811A	4450	.68
A6562	3111	6825	.68
A6563	3360	24300	.88
A6565	3621	3315	.78
A6566	3622	4300	.49
A6567	4145	2400	.58
A6569	5463	7050	.59
A6570	2381	16000	.71
A6571	27416	32272	.71
Wells-Gardner			
A6597	98002	39050	.71
A6598	98020	41000	.59
A6590	90974C	15738	1.10
A6591	98037	10000	.59
Zenith			
A6595	63-351	17035	.59

CANDOHMETER RESISTANCE INDICATOR



An accurately calibrated dual-range resistance indicator. Consists of two Candohm resistors in a single mounting, insulated from and enclosed in neat metal casing. Sliding test rod moves freely in exposed slot. Quickly and accurately determines value necessary for replacing any burned-out or defective resistor.

0-10,000; 0-100,000 OHMS

Two scales, reading 0-10,000 and 0-100,000 ohms, are accurately stamped into the metal housing of the Candohmeter—the upper scale for determining approximate values, and the lower to permit of more accurate reading within its range. Excellent for experimental or service work. Complete with test leads, insulated handle prod, and alligator clips. Shpg. wt., 1 lb.

A6599. List, \$2.00. **\$1.18**
YOUR PRICE

0-100; 0-1,000 OHMS

The same design and quality construction as the Candohmeter listed above, but intended for determining lower values of resistance with greater accuracy. Scales read: 0-100 and 0-1,000 ohms. Shpg. wt., 1 lb.

A6596. List, \$1.75. **\$1.03**
YOUR PRICE

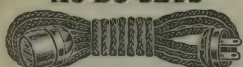
LINE CORD RESISTORS FOR AC-DC SETS

Line cord with built-in resistor to supply proper filament voltage. The filament drop listed is for 3 amp. tubes connected in series. Shpg. wt., 1 lb.

No.	Ohms	Filament Drop
A2398	360	10.0 to 17.0 V.
A2399	330	18.0 to 24.0 V.
A2400	300	25.2 to 31.5 V.
A2399	250	32.0 to 44.5 V.
A2395	220	45.0 to 52.0 V.
A2396	180	50.0 to 61.0 V.
A2401	150	56.3 to 68.9 V.
A2402	135	68.9 to 75.2 V.

30c
EACH

220-110 VOLT LINE REDUCING CORD FOR AC-DC SETS



A special cord with built-in resistor which permits the operation of any 3 ampere 110 volt A.C.-D.C. receiver from a 220 Volt line. With plug and receptacle. A9145. List, \$1.50. **73c**
YOUR PRICE

VOLTAGE DIVIDERS



WE can supply EXACT DUPLICATE VOLTAGE DIVIDERS for replacement in any standard receiver, at lowest possible prices. Send in the defective voltage divider with deposit, giving us the name and model number of the set from which the unit is taken. We will supply the very highest quality of exact duplicate replacement promptly. Each unit is made up of the finest materials, combined with expert workmanship. These replacement units will give long, lasting service.

Continental CARBON RESISTORS



A superior new line of solid-molded triple ceramic-coated carbon resistors. Have high dielectric strength; completely protected by 1,000 volt insulation. Body and ends of resistors are entirely covered to prevent shorts. Values are permanent. These units are ruggedly built, quiet in operation; non-inductive for high frequency service.

CARBORITE RESISTORS

Accurate units for general use in all types of radio circuits. Tolerance within 10%. Excellent voltage and load characteristics. Supplied with tinned copper leads for quick, sure connections. Color-coded.

1 WATT—1 1/4" x 1/4"

No.	Ohms	No.	Ohms
A5850	150	A5868	20000
A5851	250	A5869	25000
A5852	400	A5870	30000
A5853	500	A5871	40000
A5854	1000	A5872	50000
A5855	1500	A5873	60000
A5856	1750	A5874	75000
A5857	2000	A5875	100000
A5858	2500	A5876	130000
A5859	3000	A5877	200000
A5860	4000	A5878	250000
A5861	5000	A5879	300000
A5862	6000	A5880	400000
A5863	7500	A5881	500000
A5864	10000	A5882	1 Meg.
A5865	12500	A5883	2 Meg.
A5866	15000	A5884	3 Meg.
A5867	17500	A5885	5 Meg.

1 WATT—TYPE D2.
List, 20c.
YOUR PRICE, EACH..... **12c**

SEMI-PRECISION RESISTORS

Popular sizes for use as meter range multipliers. Accuracy within 5%. For use with any 0-1 Milliammeter to construct an accurate Volt-ohmmeter. These units are pre-aged to assure absolutely constant rated values.

1 WATT—1 1/4" x 1/4"

No.	Ohms	No.	Ohms
A5890	*1450	A5904	15000
A5891	*2950	A5905	25000
A5892	3500	A5906	30000
A5893	*4450	A5907	50000
A5894	*4950	A5908	60000
A5895	5000	A5909	75000
A5896	5500	A5910	85000
A5897	*5950	A5911	90000
A5898	*7450	A5912	100000
A5899	8500	A5913	150000
A5900	*8950	A5914	250000
A5901	*9950	A5915	500000
A5902	10000	A5916	750000
A5903	13500	A5917	1 Meg.

*Marks resistors which allow for the 50 ohms internal resistance of the meter.

1 WATT—SEMI-PRECISION TYPE CONTINENTAL CARBON RESISTORS.
List, 30c.
YOUR PRICE, EACH..... **18c**

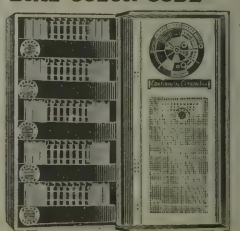
CONTINENTAL CARBON RESISTOR KITS FREE RESISTOR CABINET AND DIAL COLOR CODE

By ordering any assortment of 35 of the above Carborite 1 Watt resistors, you may have, FREE, a handsome, sturdy resistor cabinet, designed for handy wall mounting. Includes rotary dial color-code indicator. A watt-ohm-volt limits chart, also mounted inside the cover, determines the maximum handling capacity of any resistor. When ordering, specify values of 35 Carborite resistors wanted in kit.

A5920. 35 Carborite Resistors, your choice, with FREE cabinet. **\$4.12**
YOUR SPECIAL PRICE.....

New "METAL-PAC" Resistor Kit

With your order for 25 Carborite 1 Watt resistors, we will include, FREE, a handsome, durable metal case. Let the right size for carrying in your tool kit. With the rotary color-code dial. When ordering, state value of Carborite Resistors desired. **\$2.94**
A5919. 25 Carborite 1 Watt resistors of your choice in metal case. NET.....



EXACT DUPLICATE CONDENSERS

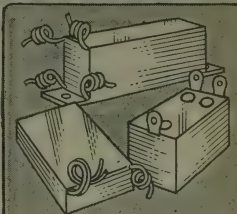
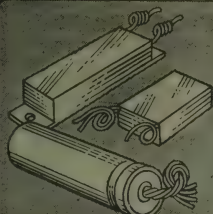
Electrolytic

EXACT DUPLICATE REPLACEMENTS

A complete line of exact duplicate condensers for practically every replacement need. These condensers are the same in electrical and physical characteristics as the originals which they replace. Have same size, appearance, mounting holes, color-coded leads and capacity ratings. The listing below shows these replacements most frequently needed. Exact duplicates for many other sets are also available.

HIGHEST STANDARD OF QUALITY

All condensers listed here are of standard make. They have been carefully chosen from the lines of such well-known manufacturers as: Aerovox, Cornell-Dubilier, Sprague, Solar, Tobe, Concourse, etc. This is your assurance of highest quality in material and workmanship. Capacity and voltage ratings are accurate with a higher safety factor than the originals to assure long dependable service. We can also supply many exact duplicate condensers not listed here. Send us your old unit with deposit indicating the name and model number of the receiver and we will duplicate it at an attractive low price.



Stock No.	Part No.	Model	Cap. Mfd.	NET
ATWATER-KENT				
A580	24602	155 (142)	8-8-8	\$0.88
A581	24955	155 (3)	8-8-8	.88
A582	26158	275, 825	8-14-8	1.15
A583	27592	376	4-8-10	1.12
BELMONT (Freshman)				
A584	C-825-B	545	5-25-5	.94
A585	C-825-C	.....	5-25	.59
COLONIAL				
A586	R3857	.....	8-20	.76
A587	R8780C	122, 152	8-4	.65
A588	R9780	.....	8-8-10	1.23
A589	R10673	.....	6-6-25	.88
CROSLLEY				
A590	W23801	124, 125	6-8	.85
A591	W25857B	95, 163	8-8	.45
A592	W26119	129-1, 130	8-4	.56
A593	W26194B	132-1, 146	12	.94
A594	W26870	96, 150, 163	6	.27
A595	W26896	146	12-6	.76
A596	W27488A	148, 167	8-6	.42
A597	W27677A	147	8-8	.44
A598	W28065	163, 400, 402	12	.55
A599	W29007B	164, 170, 7H2	8-8-8	1.26
A600	W29150B	169, 7V2, 5M3	6-7-8	.94
A601	W29264A	166, 172	16-16-8	.75
A602	W29304A	174	8-16-16	1.23
A603	W29808	102, 103, 5A1	12	.65
A604	B30017	129-1, 130-1	4-8	.85
A605	B30018	129-1, 130-1	8-8	.86
A606	W30059A	175, 5V1	8-8-8	1.10
A607	W30124	173, 173-5	16-16-8	.97
A608	W30410	103	8-8	.65
A609	W30962	182	8-25	.85
A606	W32374	175	8-8-8	1.10
CLARION				
A611	P4717	G422	16-4	.71
PETROLA				
A612	1460	.....	4-8-20	1.06
EMERSON				
A613	HC-31	20A, 25, 25A	4-4	.50
A614	HC-32	20A, 25, 25A	5-5	.39
A615	KC-58	250	8-8	.70
A616	KC-68	250W	4-16-8	.88
A617	GKC-137	32	8-16-5-5	1.21
A618	KKC-143	19	12-8	.73
A619	UUC-179	31B	12-8-5-5	1.15

Stock No.	Part No.	Model	Cap. Mfd.	NET
GENERAL MOTORS				
A620	1203346	.....	4-4	\$1.00
GRUNOW				
A621	27151	501, 550, 5B	4-8-20-4	1.29
A622	30091-1	670, 671, 6B	8-8-12-12	1.88
GENERAL ELECTRIC-RCA-VICTOR				
A623	6335	K40A, R18W	4-4	.53
A624	66140	K40, R18W	4-4	.44
A625	66140-2	K40A, R18W	5-5	.27
A626	66140-4	B52, M34	3-6-1	.44
A627	66143	K52, R28	4-4	.44
A628	66143-2	K78, 330	10-4	.55
A629	66155	K60, R37	4-4-10-4	.84
A630	66160	L50, R22	8-8	.73
A631	66160-2	L50, R22	8-4-10	.79
A632	66185-2	K43, 100	8-8-5-5	1.29
A633	66189-1	K64, 121	8-4-4	.94
A634	66189-2	K66, 220	8-4-4-4	.81
INTERNATIONAL				
A635	A407	.....	4-4	.50
A636	A408	Standard	5-5	.44
A637	A412	ES19, 20, 25	8-30	.91
A638	A421	40, 41, 42, 3-5-3-5-3-5	.65	
A639	A424	A, B	4-10-10	.90
A640	A425	A, B	10-10-4	.97
A641	A426	.....	2-7	.47
A642	A427	.....	3-5-3-5-3-5	.66
MAJESTIC				
A643	4713	211 Series	8	.56
A644	5414	150 Series	8	.50
A645	6277	201-3-4	8-4-4	1.18
A646	6433	11	4-4	.76
A647	6501	56, 57, 58	8-8	.91
A648	7173	291 Series	8	.50
A649	7278	291 Series	7-10	.68
A650	7462	224	10	.29
A651	7489	300 Series	16	.78
A652	7824	311 Series	8-16	.97
A653	7988	324, 344	7	.40
A654	8118	363, 393	20	.30
A655	8286	114 Auto	5	.29
A656	8385	15, 150 Series	8-8	.81

UNIVERSAL TYPE AC-DC REPLACEMENTS

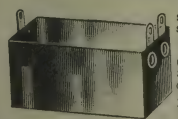
A695, 1612 - Spade lug type - Cardboard tube, 16-12, 200 V.; 10-10, 25 V. Size 1 1/2" x 4 1/2". \$1.26
 A696, 1618 - Cardboard box type, 10-10-8, 150 V.; 5-5, 25 V. Size 1 1/2" x 1 1/2" x 3". \$1.44

Stock No.	Part No.	Model	Cap. Mfd.	NET
MAJESTIC (cont.)				
A657	8721	77, 331, 336	16	\$0.91
A658	8755	381	4-8	.55
A659	8774	381	10	.29
A660	9019	344, 363	10	.29
A661	9219	371, 373	8-8	.85
A662	9661	411, 413	8-10-16	1.03
A663	9979	66X	8-8	.72
A664	10369	118	8-8	.88
A665	10536	40, 49, 440	10-4-6	1.00
A666	10827	55, 59, 500	10-8-8	.98
MONTGOMERY-WARD				
A686	80941A	62-96, 62-98	4-12-16	1.09
MOTOROLA				
A668	1388	100	8-8-25	1.18
A669	1465	75 Early	6-6	.71
A670	1668	75 Late	6-4-6	.82
A671	8123	44	8-12	.79
PEERLESS				
A672	E250	.....	12-16-10	1.06
PHILCO				
A673	30-2046	.....	8-10	1.12
A674	30-2068	.....	8-10	.85
A675	30-2072	.....	4-8-10	1.47
A676	30-2078	.....	1-2-1	1.47
RADIO KEG				
A677	S5459	.....	5-8-12	.95
STEWART WARNER				
A678	81698	10-20	5-5	.40
A679	81959	R115, R116	4-13-7	.97
A680	83111	R112	8-8-5-5	1.15
A681	83394	.....	12	.44
SPARTON				
A682	A9550	.....	5-25-5	1.18
UNITED MOTORS				
A683	26508B	.....	8-8-4-4	1.21
U. S. RADIO & TEL.				
A684	2719	10B-200	8	.53
A685	6201	5	4-4-12	1.00
WELLS GARDNER				
A686	80941-E 05-A, 05B-A	4-12-16	1.09	
WURLITZER				
A687	Y3715R	SA-5	8-8-10	1.21
A688	37-3773	CA-M4	4-8-10	.97
ZENITH				
A689	22-236	.....	8-8-10	1.12

CROSLLEY Part No. 27488-A

MAJESTIC Part No. 10536

GRUNOW Part No. 27151



Identically the same as originally supplied in Crosley Models 148 and 167. Dual section; 6 mfd. at 300 V.; 8 mfd. at 25 V.; common negative. A perfect fit electrically and physically. No rewiring or redrilling necessary. Size, 1 1/2" x 1 1/2" x 2 3/4".

A596. YOUR PRICE.....**42c**



For Models 40, 49, 194, 500, chassis 440. Built to original manufacturers' specifications. Sections are 10 mfd. 25 V.; 4 mfd. 300 V.; 6 mfd. 350 V. Long flexible insulated leads; mounting bracket supplied. Size 1 1/2" x 1 1/2" x 3".

A665. YOUR PRICE.....**\$1.00**

For Grunow Models 501 and 550, Chassis 5B. Cardboard box type with flexible wire leads. Capacity, 4 mfd. 25 V.; 4, 8, and 20 mfd. at 150 V. An exact replacement for original units. Built in quality assures no further condenser trouble.

A621. YOUR PRICE.....**\$1.29**



KNIGHT BY-PASS AND REPLACEMENT CONDENSERS

Knight Molded Bakelite Mica Condensers Insulated Hole Type



Genuine bakelite molded units with insulated mounting holes. Metal terminals provided may also be used for mounting. Highest quality mica construction. 1 1/2 x 3/4" body.

No.	Mfd.	NET EACH
A7810	.00005	
A7811	.0001	
A7812	.00025	
A7813	.0004	
A7814	.0005	
A7815	.0008	
A7816	.001	
A7817	.0015	
8c		
PER DOZ. 85c		

A7818	.0015	
A7819	.002	
A7820	.003	
A7821	.004	
A7822	.005	
A7823	.006	
A7824	.008	
A7825	.01	
EA. 12c		
PER DOZ. \$1.30		

PIGTAIL & LUG TYPE



Highest quality mica units. Two types: one with 1 1/2" tinned copper leads, 3/4" square body; other with lugs, 1 1/2 x 1 1/4" body.

Pigtail Lug Cap.	NET EACH
A7827 A7844 .00005	
A7828 A7845 .00004	
A7829 A7846 .00005	
A7830 A7847 .0001	
A7831 A7848 .00015	
A7832 A7849 .0002	
A7833 A7850 .00025	
A7834 A7851 .0004	
A7835 A7852 .0005	
A7836 A7853 .0008	
A7837 A7854 .001	
A7838 A7855 .0015	
A7839 A7856 .002	
A7840 A7857 .0025	
A7841 A7858 .003	
A7842 A7859 .004	
8c	
Per Doz. 85c	

A7838 A7855 .0015	
A7839 A7856 .002	
A7840 A7857 .0025	
A7841 A7858 .003	
A7842 A7859 .004	
12c	
EACH	
Per Doz. \$1.30	

Knight Waxed Uncased Repair Sections

Wax-dipped; designed for replacement use in filter block repair work. Compact; high dielectric resistance. 6" color coded leads are of heat-proof push-back wire.

Mfd.	200 Volts	400 Volts
.25 A7741	10c	A7746 17c
.5 A7742	12c	A7747 19c
1.0 A7743	18c	A7748 29c
2.0 A7744	29c	A7749 54c
600 Volts		
.25 A7750	28c	A7754 39c
.5 A7751	38c	A7755 45c
1.0 A7752	26c	A7756 75c

SPARTON TUBULAR REPLACEMENT

Exact duplicate 400 volt units for Sparton sets. Slotted mounting lug. Metal case.

No.	Mfd.	NET
A7769	.25	26c
A7770	.5	29c
A7771	1.0	31c

KNIGHT CARTRIDGE CONDENSERS

Dependable tubular paper condenser. Compact in size. Encased in double-impregnated moisture-proof cardboard containers with self-sealing 2 1/2-inch tinned wire leads. Non-inductively wound.



No.	400 Volts	EACH
A7915	.001	
A7916	.002	
A7917	.003	
A7918	.004	
A7919	.005	
A7920	.006	
A7921	.01	
A7922	.02	
A7923	.03	
A7924	.04	
A7925	.05	
A7926	.06	
A7927	.1	
A7928	.25	
A7929	.5	
A7930	1.0	
6c		
7c		
8c		
10c		
15c		
30c		

No.	200 Volts	NET
A7910	.1	
A7911	.25	
A7912	.5	
A7913	1.0	
A7914	1.0	
7c		
13c		
26c		

HANDY CONDENSER ASSORTMENT

Complete handy assortments of the most popular cartridge by-pass condensers used in replacement work. Durable; inexpensive; conservatively rated. Quality condensers to meet every service need. Conveniently mounted on neat strips for hanging on the wall or for carrying in your kit. An incomparable value. 12 condensers to a strip.

A7760. Consists of:				A7761. Consists of:			
Mfd.	Volts	Mfd.	Volts	Mfd.	Volts	Mfd.	Volts
.001	400	.004	600	.1	200	.5	400
.003	400	.006	600	.25	200	.6	400
.005	400	.01	600	.5	200	1	400
.006	400	.03	600	1.0	200	.25	400
.001	600	.05	600	.01	400	1.0	400
.002	600	.1	600	.03	400	1.0	400
YOUR NET PRICE 85c				YOUR NET PRICE \$1.40			

EXACT DUPLICATE CONDENSERS

Highest quality exact duplicate replacement condensers and condenser units. These units are of standard make and have the exact capacities and ratings of the original models. Accurately constructed to precise original specifications, with identical mounting holes, capacities, voltages and color coding.



These condensers fit exactly; no re-wiring or redrilling is necessary. Each unit is marked with wide margins of safety. These are the replacement condensers to use for lasting service. When ordering, it is best to state the name and model number of set, wherever possible, and in the old condenser.

ATWATER KENT					
No.	Model	NET	No.	Model	NET
A7105	37 with choke)	\$2.94	A7099	120473	
	Speaker Filter for all sets (A.K. 14902)	.59		(1-1-1).	\$0.59
A7107	40, 42, 46, 52, (14-14-14).	.59	A7109	SG8	3.40
A7108	35, 38, 40, 42, (14-14-14).	.59	A7110	SG8 (212)	.52
A7116	37, 38, Condensers only (no chokes)	1.55	A7111	SG8 (213)	.58
A7117	55, 55c, Early & late types	3.10	A7112	SG8 (214)	.88
A7121	45, 46, 47, 48, Condensers only	4.45	A7113	AC5 (1.0)	.83
A7128	40, 42, 44, 46, 52, 54, 56, 58, Condensers only	1.48	A7114	MAJESTIC 70, 71, 72, 73, 74, 90, 91, 92, 93, 94, 95	1.75
A7142	BRUNSWICK 14, 21, 31...	4.60	A7115	(With Resistors)	1.90
A7136	CLARION	5.75	A7119	90 (.5)	.34
A7137	A.C. 60	5.20	A7120	180, 8P6	2.95
A7144	280	2.95	A7121	50	2.20
A7138	ECHOPHONE S-3	2.55	A7123	Series 20 (Choke and Input)	5.75
A7139	S-4	2.75	A7148	90B, 100H	2.75
A7140	35, 35Z, No. 1790X...	3.85	A7134	KOLSTER K20, 22, 25, 27, 42	3.20
			A7124	RCA-VICTOR R32, RF45, 52	4.20
			A7260	80, 85, 85A, RS, R10, R12,	6.40
			A7263	RE19	5.60
			A7264	R04, R-54, R-135	6.50
			A7126	SPARTAN ACT, 62, 63...	4.60

KNIGHT ELECTROLYTIC CONDENSERS

Ruggedly-made efficient electrolytic condensers designed for use in every service application. These units are of the best standard design and manufacture. They are thoroughly impregnated against moisture and are built to last. Ratings are conservative, assuring you of maximum dependable performance and long life. Units are available in both cardboard containers and metal can types. Multiple section units

are listed in the most popular combinations to fit practically every replacement condenser requirement. For low price, long life, compactness, low power factor and reliability, these Knight electrolytic condensers are values that can't be matched. Use them in your radio service and building work. Knight electrolytic condensers will bring you satisfied customers, bigger profits and larger savings.

Dry Electrolytics in Cardboard Containers

Popular values in single and multiple section, 1/2 to 1 in. diameter, adapt to practically any repair job. In impregnated cardboard containers. Entirely wax-filled. Conservatively rated at 550 volts D.C. peak; 450 volts D.C. working. Compact and sturdy units.

Single Section—550 Volts

No.	Mfd.	Size	NET
A3823	2	4 1/4 x 1 3/8 x 1/2	26c
A3824	4	4 1/4 x 1 3/8 x 1/2	30c
A3825	6	4 1/4 x 1 3/8 x 1/2	34c
A3826	8	4 1/4 x 1 3/8 x 1/2	38c
A3827	10	4 1/4 x 1 3/8 x 1/2	44c
A3828	12	4 1/4 x 1 3/8 x 1/2	48c
A3811	16	4 1/4 x 1 3/8 x 1/2	52c

Multiple Section—550 Volts

No.	Mfd.	Size	NET
A3829	4-4	4 1/4 x 1 3/8 x 1 1/2	48c
A3830	4-8	4 1/4 x 1 3/8 x 1 1/2	56c
A3831	6-6	4 1/4 x 1 3/8 x 1 1/2	56c
A3832	8-8	4 1/4 x 1 3/8 x 1 1/2	60c
A3833	4-4	4 1/4 x 1 3/8 x 1 1/2	92c
A3834	8-8	4 1/4 x 1 3/8 x 1 1/2	92c

BANTAM SIZE DRY ELECTROLYTICS

Will fit in the smallest space. Ideal replacement units. In impregnated cardboard containers with six inch color-coded insulated wire leads. Data provided for ease in mounting.

PEAK VOLTS—550 WORKING VOLTS—450

No.	Mfd.	Size	NET
A3713	2	2 1/4 x 1 1/8 x 1/2	24c
A3814	4	2 1/4 x 1 1/8 x 1/2	30c
A3815	6	2 1/4 x 1 1/8 x 1/2	34c
A3816	8	2 1/4 x 1 1/8 x 1/2	38c
A3817	12	2 1/4 x 1 1/8 x 1/2	52c
A3818	4-4	2 1/4 x 1 1/8 x 1 1/2	48c
A3819	8-8	2 1/4 x 1 1/8 x 1 1/2	60c

VOLTAGE DOUBLING DUAL SECTIONS

Especially designed for AC-DC sets which have voltage doubling circuits using type 25Z5 tube. With 4 colored flexible 6 inch insulated wire leads—2 black and 2 red. Each capacity is a separate condenser.

475 VOLTS D.C. PEAK

No.	Mfd.	Size	NET
A3807	10-10	2 1/4 x 1 1/8 x 1 1/2	54c
A3808	12-12	2 1/4 x 1 1/8 x 1 1/2	58c
A3809	16-16	3 1/4 x 1 1/8 x 1 1/2	72c
A3810	20-20	3 1/4 x 1 1/8 x 1 1/2	80c

Aluminum Coated Cardboard Containers

Popular replacements for A.C. D.C. or midget A.C. receivers. Containers are of aluminum-coated cardboard. Spade lugs are provided for mounting. All leads emerge from bottom. Ratings are conservative assuring good and efficient operation. Containers are 4 1/4 inches high.

No.	Mfd.	Volts	Dia.	NET
A2738	8-16	500	1 1/2"	90c
A2739	4-8	500	1 1/4"	54c
A2740	8-8	500	1 1/4"	60c
A2741	16	500	1 1/2"	54c

LOW VOLTAGE ELECTROLYTICS

No.	Mfd.	Volts	Dia.	NET
A2742	8-8	200	1 1/4"	70c
A2743	8-14	200	1 1/4"	90c
A2744	10-10	35	1 1/4"	90c
	12-12	200	1 1/4"	90c
	10-10	35	1 1/4"	90c

Dry Electrolytics In Metal Containers INSULATED TYPE

Dry electrolytics mounted in round aluminum insulated containers. Standard stud and nut mounting. Insulated wire leads. Peak voltage, 550 D.C.; working volts, 450 D.C.

No.	Mfd.	Size	NET
A3850	2	2 1/4 x 1 1/8	30c
A3851	4	2 1/4 x 1 1/8	36c
A3852	6	2 1/4 x 1 1/8	40c
A3853	8	2 1/4 x 1 1/8	42c
A3854	10	2 1/4 x 1 1/8	48c
A3855	12	2 1/4 x 1 1/8	56c
A3856	4-4	2 1/4 x 1 1/8	60c
A3857	6-6	2 1/4 x 1 1/8	60c
A3858	8-8	2 1/4 x 1 1/8	72c

Multiple Sections

Popular replacements. Absolutely dry and in moisture-proof round aluminum containers. Each section is separately wrapped and entirely insulated from the others. All negative terminals are grounded to the can. Positive leads are brought out to soldering lugs at top. Upright mounting. Working voltage, 450; peak voltage, 550.

1 1/2 Inch Containers

No.	Mfd.	Length	NET
A3860	8-8	4 3/4"	\$0.70
A3861	4-4	4 3/4"	.86
A3862	5-5	4 3/4"	.88

3 Inch Containers

No.	Mfd.	Length	NET
A3863	8-8	4 3/4"	\$1.04
A3864	8-8	4 3/4"	1.44
A3865	9-9	4 3/4"	1.50

3 1/2 Inch Containers

No.	Mfd.	Length	NET
A3866	9-9	18-18	\$1.94

DRAWN ALUMINUM RECTANGULAR CONTAINERS

Multiple section dry electrolytics in seamless drawn aluminum containers. Moisture-proofed. Sections are completely insulated from container and from each other. Two terminal lugs are provided for each section. Working voltage 450 D.C.; peak voltage 550 D.C.

550 V. DC PEAK VOLTAGE

No.	Mfd.	Size	NET
A3873	4-4	4 1/4 x 1 1/8 x 1 1/2	\$0.58
A3874	4-8	4 1/4 x 1 1/8 x 1 1/2	.66
A3875	4-8	4 1/4 x 1 1/8 x 1 1/2	.68
A3876	6-6	4 1/4 x 1 1/8 x 1 1/2	.70
A3877	6-8	4 1/4 x 1 1/8 x 1 1/2	.72
A3878	8-8	4 1/4 x 1 1/8 x 1 1/2	.72
A3879	4-4	4 1/4 x 1 1/8 x 1 1/2	.85
A3880	6-6	4 1/4 x 1 1/8 x 1 1/2	1.00
A3881	8-8	4 1/4 x 1 1/8 x 1 1/2	1.08

KNIGHT WET ELECTROLYTICS

Increasingly popular for heavy-duty work in amplifiers, etc. Self-healing properties and ability to withstand voltage overloads make these units dependable in operation. Low leakage and excellent power factor assured. Housed in round aluminum containers, 1 1/4" diameter and 4 3/4" high. Inverted stud mounting. Can is negative. Use these efficient wet electrolytics where dry units are giving you trouble.

PEAK VOLTS

No.	Mfd.	Volts	NET
A2712	8	600	\$0.68
A2713	4	500	.40
A2714	8	500	.45
A2715	10	500	.50
A2716	12	500	.54

KNIGHT CARTRIDGE DRY ELECTROLYTICS



Encased in impregnated moisture-proof cardboard, with 2 1/2" bare wire leads. Length 2 1/2 in., diameter 3/4 to 1 in. High capacity at small cost. Efficient units.

No.	Mfd.	Peak Volts	NET
A3775	2	500	1c
A3776	4	500	20c
A3777	2	500	24c
A3779	4	500	28c
A3799	8	500	38c
A3780	1	200	16c
A3781	2	200	16c
A3783	4	200	25c
A3784	8	200	35c
A3795	4-4	200	32c
A3796	8-8	200	48c
A3787	1	75	75
A3788	10	75	24c
A3789	25	75	32c
A3790	5	35	16c
A3791	10	35	20c
A3792	25	35	28c
A3793	5-5	35	25c
A3794	10-10	35	28c
A3800	60	15	24c

SPECIAL VALUE DRY ELECTROLYTIC CONDENSERS

Good quality dry electrolytic condensers at extremely low prices. Supplied in both aluminum containers and in waxed cardboard cartons. Conservatively rated at 450 volts D.C. working voltage, 550 volt peak. Stock up for speedy and better service work and sales. Good quality assured and with greater profits. All cardboard and metal can units have flexible leads except for A3845 and A3846 which have lug terminals.

SINGLE CARDBOARD UNITS 550 VOLTS D.C. PEAK

A3836.	2 mfd.	1 1/4 x 1 1/8 x 3"	21c
A3837.	4 mfd.	1 1/4 x 1 1/8 x 3"	23c
A3838.	8 mfd.	1 1/4 x 1 1/8 x 3"	26c

SINGLE METAL CAN UNIT

A3842.	8 mfd.	1 3/4 x 3 1/4"	30c
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MULTIPLE UNITS

Each section of these units is a separate dry electrolytic condenser of the same high quality as those listed above. Especially designed to fill the need for several high capacity condensers for use in a small space.

CARDBOARD 550 VOLTS D.C. PEAK

A3839.	4-4 mfd.	1 1/4 x 1 1/8 x 3 1/4"	40c
A3840.	8-8 mfd.	1 1/4 x 1 1/8 x 3 1/4"	49c
A3841.	8-8 mfd.	1 1/4 x 1 1/8 x 4 1/4"	77c

METAL CAN

A3843.	4-4 mfd.	1 1/4 x 4 3/4"	42c
A3844.	8-8 mfd.	1 1/4 x 3 1/2"	58c
A3845.	8-8 mfd.	3 x 4 3/4"	88c
A3846.	5-15 mfd.	2 x 4"	72c

★ MALLORY CONDENSERS

SERVICE 4000 RECEIVERS WITH ONLY 69 CONDENSERS

A startling advance in condenser design. A complete line of condensers embodying features which answer every service problem. Only 69 units provide complete condenser replacements for over 4000 receivers. Each unit fits electrically and physically in a maximum number of cases for truly universal application. These superior condensers will save you time and money on every condenser replacement you are called on to make. Among the outstanding features provided by Mallory research are: exceptionally small size and increased efficiency; cellophane separators; etched anodes and stitched anode leads; sealed-in-metal construction and thorough impregnation, providing immunity from high temperatures; universal adaptability due to adjustable mountings on cardboard units and versatile fittings on metal can types.

FREE: CONDENSER MANUAL giving full replacement data on how to use these universal condenser units. Given FREE with your order for MALLORY condensers. See full description below.

CARDBOARD CARTON DRY ELECTROLYTICS



Ideal replacement condensers; small and compact. Internal metal seal protects units against damage from excess heat or humidity. With universal metal mounting flanges. Have 8" color-coded leads.

CS—SINGLE SECTION

No.	Mfd.	Size	NET
A2772	2	1/4 x 1/2 x 2 1/4	\$0.38
A2773	4	1/4 x 1/2 x 2 1/4	.44
A2774	6	1/4 x 1/2 x 2 1/4	.53
A2775	8	1/4 x 1/2 x 2 1/4	.56
A2776	10	1/4 x 1/2 x 2 1/4	.68
A2777	12	1/4 x 1/2 x 2 1/4	.76

300 V. Peak, 250 V. D.C. Working

A2778	4	1/4 x 1/2 x 2 1/4	.38
A2779	8	1/4 x 1/2 x 2 1/4	.47
A2780	10	1/4 x 1/2 x 2 1/4	.56
A2781	12	1/4 x 1/2 x 2 1/4	.59
A2782	16	1/4 x 1/2 x 2 1/4	.65

CM—MULTIPLE SECTION COMMON NEGATIVE

No.	Mfd.	Size	NET
A2783	4-4	1/4 x 1/2 x 3	.71
A2784	4-8	1/4 x 1/2 x 3	.79
A2785	8-8	1/4 x 1/2 x 3	.88
A2786	8-8-8	1/4 x 1/2 x 3	1.29

300 V. Peak, 250 V. D.C. Working

A2787	4-4	1/4 x 1/2 x 3	.53
A2788	4-8	1/4 x 1/2 x 3	.68
A2789	8-8	1/4 x 1/2 x 3	.76
A2790	8-8-8	1/4 x 1/2 x 3	1.15

CM—MULTIPLE SECTION SEPARATE NEGATIVES

No.	Mfd.	Size	NET
A2791	4-4	1/4 x 1/2 x 3	.71
A2792	4-8	1/4 x 1/2 x 3	.79
A2793	8-8	1/4 x 1/2 x 3	.88
A2794	8-8-8	1/4 x 1/2 x 3	1.29

300 V. Peak, 250 V. D.C. Working

A2795	4-4	1/4 x 1/2 x 3	.53
A2796	4-8	1/4 x 1/2 x 3	.68
A2797	8-8	1/4 x 1/2 x 3	.76
A2798	8-8-8	1/4 x 1/2 x 3	1.15

CAN TYPE BYPASS UNITS

75 V. Peak, 50 Volt D.C. Working

No.	Mfd.	Size	NET
A3350	10-10	1/4 x 1/2 x 50	50c
A3351	10-10	1/4 x 1/2 x 50	50c
A3352	10-10	1/4 x 1/2 x 50	50c
A3353	10-10	1/4 x 1/2 x 50	50c
A3354	10-10	1/4 x 1/2 x 50	50c
A3355	10-10	1/4 x 1/2 x 50	50c
A3356	10-10	1/4 x 1/2 x 50	50c
A3357	10-10	1/4 x 1/2 x 50	50c
A3358	10-10	1/4 x 1/2 x 50	50c
A3359	10-10	1/4 x 1/2 x 50	50c

MOUNTING HARDWARE

A3376. Fig. A. Terminal connector. A neat anchor for the condenser leads—eliminates splicing of cable leads to condenser wires. EACH... 3c

A3377. Fig. B. Adapter for clamping 1" round cans to 7/8" mounting holes. EACH... 3c

A3378. Fig. C. Washer for adapting 1" round cans to 7/8" mounting holes. EACH... 2c

A3379. Fig. D. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3380. Fig. E. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3381. Fig. F. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3382. Fig. G. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3383. Fig. H. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3384. Fig. I. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3385. Fig. J. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3386. Fig. K. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3387. Fig. L. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3388. Fig. M. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3389. Fig. N. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3390. Fig. O. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3391. Fig. P. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3392. Fig. Q. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3393. Fig. R. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3394. Fig. S. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3395. Fig. T. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3396. Fig. U. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3397. Fig. V. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3398. Fig. W. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3399. Fig. X. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3400. Fig. Y. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3401. Fig. Z. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3402. Fig. AA. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3403. Fig. AB. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3404. Fig. AC. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3405. Fig. AD. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3406. Fig. AE. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3407. Fig. AF. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3408. Fig. AG. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3409. Fig. AH. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3410. Fig. AI. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3411. Fig. AJ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3412. Fig. AK. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3413. Fig. AL. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3414. Fig. AM. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3415. Fig. AN. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3416. Fig. AO. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3417. Fig. AP. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3418. Fig. AQ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3419. Fig. AR. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3420. Fig. AS. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3421. Fig. AT. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3422. Fig. AU. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3423. Fig. AV. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3424. Fig. AW. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3425. Fig. AX. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3426. Fig. AY. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3427. Fig. AZ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3428. Fig. BA. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3429. Fig. BB. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3430. Fig. BC. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3431. Fig. BD. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3432. Fig. BE. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3433. Fig. BF. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3434. Fig. BG. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3435. Fig. BH. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3436. Fig. BI. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3437. Fig. BJ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3438. Fig. BK. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3439. Fig. BL. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3440. Fig. BM. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3441. Fig. BN. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3442. Fig. BO. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3443. Fig. BP. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3444. Fig. BQ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3445. Fig. BR. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3446. Fig. BS. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3447. Fig. BT. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3448. Fig. BU. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3449. Fig. BV. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3450. Fig. BW. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3451. Fig. BX. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3452. Fig. BY. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3453. Fig. BZ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3454. Fig. CA. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3455. Fig. CB. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3456. Fig. CC. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3457. Fig. CD. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3458. Fig. CE. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3459. Fig. CF. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3460. Fig. CG. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3461. Fig. CH. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3462. Fig. CI. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3463. Fig. CJ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3464. Fig. CK. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3465. Fig. CL. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3466. Fig. CM. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3467. Fig. CN. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3468. Fig. CO. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3469. Fig. CP. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3470. Fig. CQ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3471. Fig. CR. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3472. Fig. CS. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3473. Fig. CT. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3474. Fig. CU. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3475. Fig. CV. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3476. Fig. CW. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3477. Fig. CX. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3478. Fig. CY. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3479. Fig. CZ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3480. Fig. DA. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3481. Fig. DB. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3482. Fig. DC. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3483. Fig. DD. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3484. Fig. DE. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3485. Fig. DF. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3486. Fig. DG. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3487. Fig. DH. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3488. Fig. DI. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3489. Fig. DJ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3490. Fig. DK. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3491. Fig. DL. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3492. Fig. DM. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3493. Fig. DN. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3494. Fig. DO. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3495. Fig. DP. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3496. Fig. DQ. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3497. Fig. DR. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3498. Fig. DS. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3499. Fig. DT. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3500. Fig. DU. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3501. Fig. DV. For either 1" or 1 1/8" round cans replacing spade mounting cans. EA... 2c

A3502. Fig. DW. For either 1" or 1 1/8" round cans replacing

AEROVOX CONDENSERS

AEROVOX CARTRIDGE CONDENSERS


Compact, non-inductive paper condensers sealed in insulating tubes with wire leads. High grade units, conservatively rated. Dual section units have a common lug which may be used for mounting.

400 VOLT				600 VOLT			
No.	NET EACH	Cap. Mfd.		No.	NET EACH	Cap. Mfd.	
A1550	9c	.001		A1568	10c	.001	
A1551		.002		A1569		.002	
A1552		.003		A1570		.003	
A1553		.004		A1571		.004	
A1554		.005		A1572		.005	
A1555		.006		A1573		.006	
A1556		.01		A1574		.01	
A1557		.015		A1575		.015	
A1558		.02		A1576		.02	
A1559		.03		A1577		.03	
A1560	10c	.05		A1578	12c	.05	
A1561	12c	.1		A1579	12c	.1	
A1562	1c	.25		A1580	24c	.25	
A1563	25c	.5		A1581	38c	.5	
A1564	47c	1		A1582	30c	1	
A1565	21c	.25-.25		A1583	50c	.25-.25	

1000 VOLT TUBULAR UNITS			
No.	Mfd.	List	NET
A1586	.005	.20c	
A1587	.01	.20c	12c
A1588	.015	.20c	
A1589	.02	.24c	14c
A1590	.03	.27c	16c
A1591	.05	.35c	21c
A1592	.1	.50c	29c


AEROVOX BAKELITE MICA CONDENSERS

A compact "postage stamp type" condenser. May be used in any radio by-pass circuit. Made of selected Ruby mica and especially adapted to high-frequency circuits in all-wave receivers. Sealed in a molded bakelite case; thoroughly impregnated; moisture-proof. Absolutely impervious to temperature changes.



TYPE 1467

Type 1468



TYPE 1460

Cap. Mfd.	Type 1467	Type 1468	No.	NET EACH
.00004	A1391	A1488	A1404	9c
.00005	A1392	A1489	A1405	
.000075	A1393	A1490	A1406	
.0001	A1394	A1491	A1407	
.00015	A1395	A1492	A1408	12c
.0002	A1396	A1493	A1409	
.00025	A1397	A1494	A1410	
.00037	A1398	A1495	A1411	
.0005	A1399	A1496	A1412	
.001	A1400		A1413	15c
.0015	A1401		A1414	18c
.002	A1402		A1415	18c
.0025			A1416	21c
.003			A1417	21c

Type 1450 Condensers

Accurate mica-tin foil condensers in bakelite cases. Handy soldering lugs. Working voltage up to 500 volts D.C. Tested at 1000 volts. Thoroughly sealed against changes in humidity. Capacity of units is clearly marked on case.

No.	Mfd.	No.	Mfd.	NET EACH
A1420	.00005	A1425	.0002	15c
A1421	.00007	A1426	.00025	
A1422	.000075	A1427	.00037	
A1423	.0001	A1428	.0005	
A1429	.001			
A1430	.0015			
A1431	.002			
A1432	.0025			
A1433	.003			
A1434	.004			
A1435	.005			
A1436	.006			
A1437	.008			
A1438	.01			
A1439	.015			
A1440	.03			

AEROVOX ELECTROLYTIC CONDENSERS

ROUND METAL CAN DRY ELECTROLYTICS

Adapted to all radio filter circuits. Absolutely dependable, hermetically sealed. Type E5 is 325 Volt Surge, 450 Volt DC working; E6 is 600 Volt Surge, 475 Volt working. Provided with clamping rings for easy mounting. Conservative voltage ratings assure you of long trouble-free life. Will handle filter requirements of practically all radio receivers.



TYPE E-5 Upright 525 VOLT D. C. MAX. SURGE

Stock No.	Cap. Mfd.	Size Dia.	Ht.	NET EACH
A1302	4	1 1/2 x 2 3/4	50c	\$0.50
A1304	8	1 1/2 x 4 1/4	62	
A1343	12	1 1/2 x 4 1/4	67	
A1305	5-15	2 1/2 x 4 1/4	1.35	
A1306	8-8	2 1/2 x 4 1/4	1.06	
A1344	8-16	2 1/2 x 4 1/4	1.38	
A1308	8-8-8	3 x 4 1/4	1.20	
A1309	9-18-8	3 x 4 1/4	1.20	
A1310	8-8-8-8	3 x 4 1/4	2.12	

TYPE E-6 UPRIGHT 600 VOLT D. C. MAX. SURGE

Stock No.	Cap. Mfd.	Size Dia.	Ht.	NET EACH
A1311	4	1 1/2 x 2 3/4	50c	\$0.73
A1313	8	1 1/2 x 4 1/4	62	.88
A1315	5-15	2 1/2 x 4 1/4	1.35	
A1316	8-8	2 1/2 x 4 1/4	1.06	
A1316	8-8-8	3 x 4 1/4	2.35	

TYPE G INVERTED

Standard size, single section inverted mounting condensers, with negative lead grounded to can. 325 V. D.C. surge and 600 V. D.C. surge listed below. Can dia. 1 1/2".

No.	Mfd.	Volts	NET
A1317	4	525	50c
A1318	8	525	62c
A1345	12	525	67c
A1320	4	600	73c
A1322	8	600	88c

TYPE GG INVERTED

Double section inverted mounting condensers. Negatives grounded to can. 525 volts surge, 450 volts D.C. working.

No.	Mfd.	Size Dia.	Ht.	NET
A1330	4	1 1/2 x 3 1/4	76c	
A1331	8-8	1 1/2 x 5 1/4	94c	

TYPE I-INVERTED

Similar to type G above, but with negative terminal insulated from can. Maximum permissible surge voltage is indicated below. Diameter of aluminum can, 1 1/2 inches.

No.	Mfd.	Volts	NET
A1324	4	525	\$0.50
A1326	8	525	.61
A1346	12	525	.82
A1347	16	525	.91
A1347	4	600	.88
A1329	8	600	.88

ULTRA-COMPACT TYPE GL55 INVERTED

An ultra-compact metal can electrolytic for general replacement purposes or for use where space is at a premium. Sections are insulated from can. Equipped with long flexible leads. Also threaded hard-rubber stem for inverted mounting. Particularly adapted to replacement work.

525 VOLT MAX. SURGE

No.	Mfd.	Size	NET
A1228	4	1 1/2 x 2 3/4	50c
A1229	8	1 1/2 x 4 1/4	61c
A1230	12	1 1/2 x 4 1/4	82c
A1231	16	1 1/2 x 4 1/4	91c

250 VOLT MAX. SURGE

No.	Mfd.	Size	NET
A1232	4	1 1/2 x 2 3/4	44c
A1233	8	1 1/2 x 4 1/4	55c
A1234	12	1 1/2 x 4 1/4	66c
A1235	16	1 1/2 x 4 1/4	79c

COMPACT CARDBOARD DRY ELECTROLYTICS

Extremely small electrolytic units. May be used where mounting space is limited, either for replacements or for original installations. Non-leaking; non-corrosive; absolutely dry. Wax impregnation assures dependable long life even through wide range of atmospheric conditions. Flexible leads are provided for varying circuit requirements.



TYPE PBS-5 525 VOLT D. C. MAX. SURGE

No.	Mfd.	Size	NET
A1236	2	3/4 x 1 1/2 x 2 3/4	\$0.38
A1237	4	3/4 x 1 1/2 x 2 3/4	.44
A1238	8	1 1/4 x 1 1/2 x 2 3/4	.56
A1239	12	1 1/4 x 1 1/2 x 2 3/4	.76
A1240	16	1 1/4 x 1 1/2 x 2 3/4	.80
A1241	8-8	1 1/4 x 1 1/2 x 2 3/4	.88
A1242	8-8-8	1 1/4 x 1 1/2 x 3	1.29

TYPE PBS-2 250 VOLT D. C. MAX. SURGE

No.	Mfd.	Size	NET
A1243	4	3/4 x 1 1/2 x 2 3/4	\$0.38
A1244	8	3/4 x 1 1/2 x 2 3/4	.47
A1245	12	1 1/4 x 1 1/2 x 2 3/4	.56
A1246	16	1 1/4 x 1 1/2 x 2 3/4	.62
A1247	8-8	1 1/4 x 1 1/2 x 2 3/4	.73
A1248	8-16	1 1/4 x 1 1/2 x 2 3/4	.85
A1249	8-8-8	1 1/4 x 1 1/2 x 3	1.12

Type "P" Electrolytics

Sturdy, wax-filled units; compact, and conservatively rated. Flexible leads are securely anchored. Unaffected by moisture.

525 VOLT MAX. SURGE

No.	Mfd.	Size	NET
A1380	2	3/4 x 1 1/2 x 2 3/4	\$0.38
A1381	4	3/4 x 1 1/2 x 2 3/4	.44
A1382	8	1 1/4 x 1 1/2 x 2 3/4	.56
A1383	12	1 1/4 x 1 1/2 x 2 3/4	.76
A1384	16	1 1/4 x 1 1/2 x 2 3/4	.85
A1385	4-4	1 1/4 x 1 1/2 x 2 3/4	.70
A1386	8-8	1 1/4 x 1 1/2 x 2 3/4	1.12

600 VOLT MAX. SURGE

No.	Mfd.	Size	NET
A1386	4	3/4 x 1 1/2 x 2 3/4	\$0.56
A1387	4	3/4 x 1 1/2 x 2 3/4	.68
A1389	8	1 1/4 x 1 1/2 x 2 3/4	.79

Tubular Electrolytics

Light and compact; will survive vibration for many by-pass and filter requirements. In cardboard tubular containers; completely sealed. Wire leads are securely riveted to condenser tabs. Excellent for replacement use, or to fit small mounting space in original construction work.



No.	Mfd.	Volts	Size	NET
A1281	2	450	3/4 x 2 3/4	38c
A1282	4	450	3/4 x 2 3/4	44c
A1283	8	450	1 1/4 x 2 3/4	56c
A1284	12	450	1 1/4 x 2 3/4	68c
A1285	8	200	3/4 x 2 3/4	47c
A1286	8	200	3/4 x 2 3/4	56c
A1287	25	100	1 1/4 x 2 3/4	39c
A1288	5	50	3/4 x 2 3/4	29c
A1289	10	50	3/4 x 2 3/4	34c
A1290	25	50	3/4 x 2 3/4	47c
A1291	50	50	1 1/4 x 2 3/4	71c
A1292	5	25	3/4 x 2 3/4	29c
A1293	10	25	3/4 x 2 3/4	34c
A1294	25	25	3/4 x 2 3/4	38c
A1295	50	25	1 1/4 x 2 3/4	56c

METAL CAN WET ELECTROLYTICS

Popular, compact electrolytics with standard stud and nut inverted mounting. Positively non-leaking. Self-healing for unusually long-life, even with excessive voltage surges. 500 Volts DC peak, 450 volts DC working.

Stock No.	Cap. Mfd.	Size Dia.	Ht.	NET EACH
A1295	4	1 1/2 x 4 1/4		\$0.47
A1296	8	1 1/2 x 4 1/4		.50
A1297	8	1 1/2 x 4 1/4		.56
A1298	12	1 1/2 x 4 1/4		.68
A1299	16	1 1/2 x 4 1/4		.79



CORNELL-DUBILIER CONDENSERS



DRY ELECTROLYTICS IN METAL CANS



TYPE EB INVERTED MOUNTING

High grade inverted dry electrolytic condensers. Ideal as replacement. Container is completely insulated from condenser. May be used in all types of circuits, particularly suited for use where can is above ground potential. Feature: Higher effective voltage without breakdown; exceptional stability; minimum leakage current; low power factor; long service life. With insulated wire leads. Single hole mounting type. 1 1/2" dia. Surge voltage, 525. D.C. working Volts, 450.

No.	Mfd.	Size (Ht.)	NET
A3890	4	2 1/4"	44c
A3891	4	2 1/4"	50c
A3892	8	4"	62c
A3893	10	4"	73c
A3894	12	4"	79c
A3895	4-4	4"	76c
A3896	8-8	4"	94c

TYPE EA UPRIGHT MOUNTING

Single and multiple capacity electrolytics in aluminum containers. Will mount in any position by means of clamping rings. Leakage current and power factor are very low. Capacity is stable under all conditions. Can is common negative. With mounting rings. D.C. wkg. volts, 450; 525 volts surge.



No.	Mfd.	Size	NET
A3631	4	1 1/2"x2 1/2"	\$0.50
A3632	4	1 1/2"x4"	59c
A3633	8	1 1/2"x4"	62c
A3635	5-15	2 1/2"x4"	1.35
A3636	8-12	2 1/2"x4"	1.59
A3637	8-8-8	3 1/4"x4"	1.59
A3638	8-8-8-8	3 1/4"x4"	2.12
A3639	9-9-18	3 1/4"x4"	2.20
A3640	8-8-18-18	3 1/4"x4"	2.85

WET ELECTROLYTICS TYPE EY



Ideal for heavy-duty work where dry units give trouble. Absolutely dependable in operation. These condensers are self-heating, and are able to stand overloads. Very low leakage current and power factor. Housed in round aluminum containers, with simple stud and nut mounting for easy installation. The single wet electrolytic units listed here are rated at a maximum peak D.C. voltage of 500. Can be used more effectively as replacements in older receivers where "brute" type of filter circuit was used.

No.	Mfd.	Size	NET
A3715	4	2 1/4"x1 1/2"	50c
A3716	6	4 1/4"x1 1/2"	56c
A3717	10	4 1/4"x1 1/2"	69c
A3718	10	4 1/4"x1 1/2"	65c
A3719	12	4 1/4"x1 1/2"	71c

VIBRATOR REPLACEMENT CONDENSERS



Oil-filled, sealed units for use in auto radio vibrator power supplies. Will serve better than the original condensers. Three types: FLAT—in small flat container with insulated leads; TUB—in tubular cardboard container with tinned leads; RECT.—in flat rectangular metal container with insulated leads.

No.	Type	Mfd.	Size	NET
A3722	FLAT	.01	5/8"x3/4"	26c
A3723	FLAT	.015	7/8"x3/4"	
A3724	FLAT	.02	1"x3/4"	
A3725	FLAT	.03	1 1/4"x3/4"	
A3726	TUB.	.01	1 1/8"x1/2" dia.	58c
A3728	TUB.	.03	2 1/4"x1 1/2" dia.	
A3729	TUB.	.03	2 1/4"x1 1/2" dia.	29c
A3730	RECT.	.01	3 1/4"x1 1/2"x2 3/4"	35c

CARTRIDGE TYPE ELECTROLYTICS



TYPE ED

A series of compact tubular high capacity dry electrolytics. Double-sealed in strong durable moisture-proofed tubes. With wire leads at each end. Ideal for audio bypass use, and for filter condensers in compact A.C. receivers.

No.	Mfd.	Peak Volts	Size	NET
A3617	5	35	2 3/8"x3/4"	29c
A3618	10	35	2 3/8"x3/4"	
A3619	20	35	2 3/8"x3/4"	35c
A3620	25	35	2 3/8"x1"	38c
A3622	5	75	2 3/8"x3/4"	29c
A3623	10	75	2 3/8"x3/4"	37c
A3624	25	75	2 3/8"x1"	48c
A3625	5	150	2 3/8"x3/4"	32c
A3626	10	150	2 3/8"x3/4"	33c
A3627	4	300	2 3/8"x3/4"	38c
A3628	8	300	2 3/8"x3/4"	50c
A3629	10	300	2 3/8"x1"	66c
A3630	12	300	2 3/8"x1"	62c
A3631	16	300	2 3/8"x1"	68c
A3632	1	525	2 3/8"x3/4"	32c
A3633	2	525	2 3/8"x1"	38c
A3634	4	525	2 3/8"x1 1/2"	44c
A3635	8	525	2 3/8"x1 1/2"	56c

"DWARF" TUBULAR PAPER CONDENSERS



TYPE DT

Rugged reliable non-inductive tubular condensers. Wound on wooden cores, with paper dielectric. Thoroughly impregnated against moisture. With 2 1/2" tinned leads for easy connections.

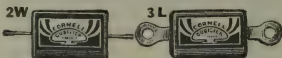
No.	Mfd.	Size	NET
A3300	.01	1 1/2"x2 1/2"	9c
A3301	.02	1 1/2"x2 1/2"	
A3302	.05	1 1/2"x2 1/2"	12c
A3303	.1	1 1/2"x2 1/2"	
A3304	.25	2 1/2"x1 1/2"	15c
A3305	.5	2 1/2"x1 1/2"	21c
A3306	1.0	2 1/2"x1 1/2"	29c
A3307	1-1	2 1/2"x1 1/2"	32c
A3308	.25-.25	2 1/2"x1 1/2"	50c

400 VOLT

No.	Mfd.	Size	NET
A3309	.0001	1 1/2"x2 1/2"	9c
A3310	.00025	1 1/2"x2 1/2"	
A3311	.0005	1 1/2"x2 1/2"	12c
A3312	.001	1 1/2"x2 1/2"	
A3313	.003	1 1/2"x2 1/2"	15c
A3314	.005	1 1/2"x2 1/2"	21c
A3315	.01	1 1/2"x2 1/2"	29c
A3316	.02	1 1/2"x2 1/2"	32c
A3317	.05	2 1/2"x1 1/2"	50c
A3318	1-1	2 1/2"x1 1/2"	56c
A3319	.25	2 1/2"x1 1/2"	21c
A3320	.5	2 1/2"x1 1/2"	29c
A3321	1-1	2 1/2"x1 1/2"	38c

600 VOLT

MOULDED BAKELITE MICA CONDENSERS



Ideal by-pass and coupling condensers for RF and IF circuits at 1000 volts D.C. test. TYPE 2W, 1c .00025, 1x 3/8"x3/8"; test, 1/2"x1/2"x1/2". TYPE 3L, 1x 1/2"x1/2"x1/2".

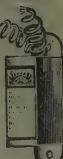
No.	Type	Mfd.	Size	NET EACH
A3641	2W	.0001	1 1/2"x2 1/2"	9c
A3642	2W	.00025	1 1/2"x2 1/2"	
A3643	2W	.0005	1 1/2"x2 1/2"	12c
A3644	2W	.001	1 1/2"x2 1/2"	
A3645	2W	.003	1 1/2"x2 1/2"	15c
A3646	2W	.005	1 1/2"x2 1/2"	21c
A3647	2W	.01	1 1/2"x2 1/2"	24c
A3648	2W	.02	1 1/2"x2 1/2"	29c
A3649	2W	.05	2 1/2"x1 1/2"	32c
A3650	2W	.1	2 1/2"x1 1/2"	35c
A3651	2W	.2	2 1/2"x1 1/2"	35c

DRY ELECTROLYTICS CARDBOARD CASED

TYPE EH

525 VOLTS D.C. PEAK

Quality condensers for assured service profits. Multiple and single units all are sealed in heavy impregnated cardboard, with heavy punched flanges to facilitate mounting. Equipped with common negative terminals. Rated at 525 volts D.C. surge; 450 volts D.C. continuous working. Built for long, efficient life.



No.	Mfd.	Size	NET
A3601	4	4 1/4"x1 1/2"x3/4"	\$0.44
A3603	8	4 1/4"x1 1/2"x3/4"	.56
A3604	4-4	4 1/4"x1 1/2"x3/4"	.71
A3606	4-8	4 1/4"x1 1/2"x3/4"	.79
A3609	8-8	4 1/4"x1 1/2"x3/4"	.88
A3610	4-4-4	4 1/4"x1 1/2"x3/4"	1.06
A3611	8-8-8	4 1/4"x1 1/2"x3/4"	1.29

TYPE JH—400 VOLTS D.C.

Solve the many problems of midjet set repair. Flange type containers. 150 volts D.C. working.

No.	Mfd.	Size	NET
A3612	4-4	2 1/2"x1 1/2"x3/4"	50c
A3613	4-8	2 1/2"x1 1/2"x3/4"	56c
A3614	4-16	2 1/2"x1 1/2"x3/4"	71c
A3616	8-16	2 1/2"x1 1/2"x3/4"	79c

TYPE JR

525 VOLTS D.C. PEAK

Dependable and inexpensive compact dry electrolytic condensers in small silvered cardboard containers. Protected against humidity. The extremely compact size and shape of these units make them ideal for every type of service work. With flexible color-coded leads. 450 Volts D.C. working.

No.	Mfd.	Size	NET
A3325	2	2 1/2"x1 1/2"x1/2"	38c
A3326	4	2 1/2"x1 1/2"x1/2"	44c
A3327	8	2 1/2"x1 1/2"x1/2"	56c
A3328	10	2 1/2"x1 1/2"x1/2"	59c
A3329	12	2 1/2"x1 1/2"x1/2"	76c
A3330	4-4	3 1/4"x1 1/2"x1/2"	71c
A3331	4-8	3 1/4"x1 1/2"x1/2"	79c
A3332	8-8	3 1/4"x1 1/2"x1/2"	88c

TYPE JR-250 VOLTS D.C.

Similar in appearance to the 525 volt condensers above but working at lower voltages. 200 Volts D.C. working.

No.	Mfd.	Size	NET
A3333	4	2 1/2"x1 1/2"x1/2"	\$0.38
A3334	8	2 1/2"x1 1/2"x1/2"	.47
A3335	10	2 1/2"x1 1/2"x1/2"	.53
A3336	12	2 1/2"x1 1/2"x1/2"	.62
A3337	16	2 1/2"x1 1/2"x1/2"	.62
A3338	4-4	2 1/2"x1 1/2"x1/2"	.53
A3339	4-8	2 1/2"x1 1/2"x1/2"	.68
A3340	8-8	2 1/2"x1 1/2"x1/2"	.75
A3342	8-8-8	2 1/2"x1 1/2"x1/2"	1.12

Type JHM "Handy-Mike"

300 VOLTS D.C. PEAK

Exceptionally well-made units especially developed for use in A.C. D.C. sets or in other circuits where the working voltage does not exceed 250 volts. Color-coded leads are provided for easy connections. Due to their small size, these units may be used in very small spaces. Supplied in a variety of values. Conservatively rated at 300 Volts D.C. peak.



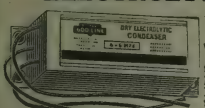
No.	Mfd.	Size	NET
A3343	4	2 1/2"x1 1/2"x1/2"	38c
A3344	8	2 1/2"x1 1/2"x1/2"	50c
A3345	10	2 1/2"x1 1/2"x1/2"	56c
A3346	12	2 1/2"x1 1/2"x1/2"	62c
A3347	16	2 1/2"x1 1/2"x1/2"	68c
A3348	20	2 1/2"x1 1/2"x1/2"	73c
A3349	25	2 1/2"x1 1/2"x1/2"	82c

SPRAGUE

"600" LINE

CONDENSERS

CARDBOARD CASED ELECTROLYTICS



Housed in a minimized non-tamper; with handy mounting flanges. Have long push-back leads. Extremely low power factor.

600 Volts peak; 475 Volts D.C. working.

PEAK VOLTAGE—600 VOLTS
WORKING VOLTAGE—475 VOLTS

Stock No.	Cap. Mfd.	L. W. Ht. Size	NET EACH
A11300	2	2 1/2 x 1 1/2 x 1 1/2	\$0.56
A11301	4	4 x 1 1/2 x 1 1/2	.68
A11302	6	4 x 1 1/2 x 1 1/2	.76
A11303	8	4 x 1 1/2 x 1 1/2	.79
A11304	4-4	4 x 1 1/2 x 1 1/2	.76
A11305	4-8	4 x 1 1/2 x 1 1/2	.18
A11306	8-8	4 x 1 1/2 x 1 1/2	.29
A11307	8-8	(4 Leads)	.29

COMPACT ELECTROLYTICS

Ideal replacements where space is limited. Aluminized cardboard containers. Moisture- and heat-proof. Insulated pigtail leads. 600 V. peak; 475 V. D.C. working.



No.	Mfd.	Size	NET
A11308	1	2 1/2 x 1 1/2 x 1 1/2	\$0.50
A11309	2	2 1/2 x 1 1/2 x 1 1/2	.56
A11310	4	2 1/2 x 1 1/2 x 1 1/2	.68
A11311	8	2 1/2 x 1 1/2 x 1 1/2	.79

SPRAGUE MIDGETS



Ideal by-pass and coupling use. Non-inductive; extremely compact. Excellent for midget and other uses with limited space. Absolutely sealed against moisture.

TEST VOLTAGE—1000 VOLTS

No.	Mfd.	Size	NET
A11312	.0001	A11320	.004
A11313	.00025	A11321	.005
A11314	.0004	A11322	.006
A11315	.0005	A11323	.01
A11316	.001		

List, 25c. NET EACH **15c**

A11324 .027 List **18c**

A11325 .05 300 EACH

A11326 .06 350 NET 21c

A11327 .1 350 NET 21c

ALUMINUM CAN ELECTROLYTICS



Exceptionally durable filter condensers. New design eliminates possibility of open contact and short circuit trouble. Housed in heavy aluminum cans; supplied with mounting brackets for easy mounting in any position. Not affected by heat or moisture; very stable in operation. 600 Volts, D.C. peak; 475 Volts D.C. working.

UPRIGHT MOUNTING SINGLE UNITS

No.	Mfd.	Size	List	NET
A11330	2	1 1/2 x 1 1/2	\$1.10	\$0.65
A11331	4	1 1/2 x 1 1/2	1.50	.88
A11332	12	1 1/2 x 1 1/2	2.05	1.21
A11333	16	1 1/2 x 1 1/2	2.40	1.35

MULTIPLE UNITS

No.	Mfd.	Size	List	NET
A11334	8-8	1 1/2 x 1 1/2	2.40	1.41
A11335	8-8-8	3 x 1 1/2	4.00	2.35
A11336	5-15	2 1/2 x 1 1/2	3.35	1.96
A11337	9-9-18	3 x 1 1/2	5.30	3.34
A11338	8-8-8-8	3 x 1 1/2	5.35	3.14
A11339	8-8-18-18	3 x 1 1/2	7.55	4.44
A11340	18-18	2 1/2 x 1 1/2	4.90	2.88

Inverted Stud Mounting
Dry electrolytics in aluminum cans with screw thread mounting. Supplied with insulated washers. Working voltage 475; surge 600 Volts.

No.	Mfd.	Dia. x Ht.	List	NET
A11341	4	1 1/2 x 1 1/2	\$1.25	\$0.73
A11342	8	1 1/2 x 1 1/2	1.50	.83
A11343	8-8	1 1/2 x 1 1/2	2.40	.41
A11344	8-8	(4 Leads)	2.40	.41

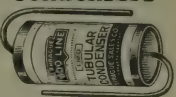
"500" WET ELECTROLYTICS
High quality, self-healing condensers. Durable construction assures long life. Chromo-plated case will not corrode. Has a special hidden vent. 500 volts peak; 400 volts D.C. working.

PEAK VOLTAGE—500 VOLTS

No.	Mfd.	Dia.	NET
A11350	2	1 1/2"	\$0.27
A11351	4	1 1/2"	.62
A11352	10	1 1/2"	.62
A11353	12	1 1/2"	.68
A11354	16	1 1/2"	.73
A11355	18	1 1/2"	.83

600 Volt Tubular By-Pass Condensers

Neat and compact tubular condensers. Non-inductively wound. Oil-impregnated for superior service. Suitable for all R.F. and Audio circuits. Long, sturdy pigtail leads permit easy mounting and connection.



TEST VOLTAGE—1200 VOLTS
WORKING VOLTAGE—600 VOLTS

No.	Mfd.	Size	NET
A11360	.0001	1 1/2 x 1 1/2	13c
A11361	.00025	1 1/2 x 1 1/2	15c
A11362	.0004	1 1/2 x 1 1/2	15c
A11363	.0005	1 1/2 x 1 1/2	15c
A11364	.001	1 1/2 x 1 1/2	15c
A11365	.002	1 1/2 x 1 1/2	15c
A11366	.003	1 1/2 x 1 1/2	15c
A11367	.004	1 1/2 x 1 1/2	15c
A11368	.005	1 1/2 x 1 1/2	15c
A11369	.005	1 1/2 x 1 1/2	15c
A11370	.01	1 1/2 x 1 1/2	15c

EACH NET 15c

Tubular Electrolytics

Exceptionally heat-proof. With ample pigtail leads of covered push-back wire.

No.	Mfd.	Volts	Size	NET
A11380	2	450	2 1/2 x 1 1/2	\$0.38
A11381	4	450	2 1/2 x 1 1/2	.46
A11382	8	450	2 1/2 x 1 1/2	.56
A11383	8-8	450	2 1/2 x 1 1/2	.88
A11384	4	200	2 1/2 x 1 1/2	.38
A11385	8	200	2 1/2 x 1 1/2	.46
A11386	16	200	2 1/2 x 1 1/2	.67
A11387	25	200	2 1/2 x 1 1/2	.73
A11388	8-8	200	2 1/2 x 1 1/2	.85
A11389	8-16	100	2 1/2 x 1 1/2	.35
A11390	8-16	100	2 1/2 x 1 1/2	.44
A11391	12	100	2 1/2 x 1 1/2	.44
A11392	10	50	2 1/2 x 1 1/2	.37
A11393	25	25	2 1/2 x 1 1/2	.37
A11394	5	25	2 1/2 x 1 1/2	.29
A11395	10	25	2 1/2 x 1 1/2	.29
A11396	25	25	2 1/2 x 1 1/2	.38
A11397	10-10	25	2 1/2 x 1 1/2	.44

RECTANGULAR UNITS

No.	Mfd.	Volts	Size	NET
A11398	4-4	150	2 1/2 x 1 1/2	.50
A11399	5-5	50	2 1/2 x 1 1/2	.44

SPRAGUE 450 VOLT ELECTROLYTIC CONDENSERS

CARDBOARD CASED DRY ELECTROLYTICS



Exceptionally high quality dry electrolytic condensers. Absolutely moisture-proof; sturdily constructed; compact in size. Conservatively rated at 450 V.D.C. continuous working voltage.

PEAK VOLTAGE—525 VOLTS
WORKING VOLTAGE—450 VOLTS

No.	Mfd.	Size	NET
A11400	2	2 1/2 x 1 1/2 x 1 1/2	\$0.38
A11401	4	4 x 1 1/2 x 1 1/2	.44
A11402	6	4 x 1 1/2 x 1 1/2	.53
A11403	8	4 x 1 1/2 x 1 1/2	.56
A11404	12	4 x 1 1/2 x 1 1/2	.76
A11405	16	4 x 1 1/2 x 1 1/2	.85
A11406	4-4	4 x 1 1/2 x 1 1/2	.77
A11407	4-8	4 x 1 1/2 x 1 1/2	.79
A11408	8-8	4 x 1 1/2 x 1 1/2	.88
A11409	8-8	(4 Leads)	.88
A11410	8-8-8	4 1/2 x 1 1/2 x 2	1.29

FREE MOUNTING STRAPS



One supplied FREE with purchase of Sprague condensers.
A11348. For mounting single units.
A11349. For mounting two or more units.

SPRAGUE "TINY-MIKES"

Compact, high quality electrolytic condensers. Ideal for replacement work; will fit almost any space. Sealed against moisture; will not overheat. Conservatively rated at 450 V.D.C. working voltage.

No.	Mfd.	Size	NET
A11413	1	1 1/2 x 1 1/2 x 2 1/2	\$0.32
A11414	2	1 1/2 x 1 1/2 x 2 1/2	.38
A11415	4	1 1/2 x 1 1/2 x 2 1/2	.44
A11416	6	1 1/2 x 1 1/2 x 2 1/2	.44
A11417	8	1 1/2 x 1 1/2 x 2 1/2	.66
A11418	10	1 1/2 x 1 1/2 x 2 1/2	.68
A11419	4-4	(4 Leads)	.71
A11420	8-8	(4 Leads)	.88

OIL-IMPREGNATED SHORT WAVE CONDENSERS

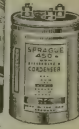


Compact non-inductive cartridge type condensers. Ideal for high frequency use. Metal case; oil impregnated. With sturdy leads.

No.	Mfd.	Wkg. Volts	Size	NET
A11422	.002	1500	1 1/2 x 1 1/2	\$0.27
A11423	.005	1500	1 1/2 x 1 1/2	.27
A11424	.01	1500	1 1/2 x 1 1/2	.41
A11425	.05	1000	1 1/2 x 1 1/2	.47
A11426	.1	1000	1 1/2 x 1 1/2	.53

ALUMINUM CAN TYPE DRY ELECTROLYTICS

Durable condensers cased in heavy aluminum containers. Supplied with handy mounting brackets for easy mounting in any position. Permanently sealed against moisture; not affected by heat. Extremely low power factor assures best results. Excellent for all filter uses. Special slotted holes in elongated mounting clamps to fit any mounting holes. Supplied in upright or inverted types. Conservatively rated. High quality low priced units.



PEAK VOLTAGE—525 VOLTS
WORKING VOLTAGE—450 VOLTS

No.	Mfd.	Size	NET
A11430	2	1 1/2 x 1 1/2	\$0.44
A11431	4	1 1/2 x 1 1/2	.62
A11432	8	1 1/2 x 1 1/2	.82
A11433	16	1 1/2 x 1 1/2	.91
A11434	8-8	2 1/2 x 1 1/2	1.06
A11435	8-8-8	3 x 1 1/2	1.59
A11436	5-15	2 1/2 x 1 1/2	1.35
A11437	8-8-8-8	3 x 1 1/2	2.12

INVERTED SCREW TYPE

No.	Mfd.	Size	NET
A11438	2	1 1/2 x 1 1/2	.44
A11439	4	1 1/2 x 1 1/2	.50
A11440	8	1 1/2 x 1 1/2	.56
A11441	12	1 1/2 x 1 1/2	.82
A11442	16	1 1/2 x 1 1/2	.91
A11443	8-8	1 1/2 x 1 1/2	.94
A11444	8-8	(4 Leads)	.94

TOBE HUMIDPROOF COMPACT TUBULAR ELECTROLYTICS



New compact, well-built condensers of latest design, utilizing a new asphalt sealing compound. Triple-sealed construction makes these condensers especially ideal for use in damp or humid localities; excellent for receivers and transmitters for use on boats, at the sea shore, in the tropics, etc. Extremely small size allows mounting in a minimum of chassis space. Buy several. Have the right condenser on hand at the right time.

475 V. D.C. WORKING					200 V. D.C. WORKING				
No.	Mfd.	Size	NET		No.	Mfd.	Size	NET	
A8350	4	2 1/2" x 1 1/2"	35c		A8354	12	2 1/2" x 1 1/2"	50c	
A8351	8	2 1/2" x 1 1/2"	44c		A8355	16	2 1/2" x 1 1/2"	56c	
200 V. D.C. WORKING					35 V. D.C. WORKING				
A8352	4	2 1/2" x 1 1/2"	32c		A8356	5	1 1/2" x 1 1/2"	24c	
A8353	8	2 1/2" x 1 1/2"	41c		A8357	10	1 1/2" x 1 1/2"	24c	
					A8358	25	2 1/2" x 1 1/2"	29c	

NEW TOBE COMPACT ETCHED ANODE ELECTROLYTICS

Ultra-compact condensers of latest design. May be fitted into practically any chassis. Have tinned eyelets for either bolt or soldered mounting. Conservatively rated.

200 V. D.C. WORKING					475 V. D.C. WORKING				
No.	Mfd.	Size	NET		No.	Mfd.	Size	NET	
A8362	4	1/2" x 3/4" x 2 1/2"	70c		A8360	4	1/2" x 3/4" x 2 1/2"	44c	
A8363	8	1/2" x 3/4" x 2 1/2"	51c		A8361	8	1/2" x 3/4" x 2 1/2"	56c	
A8364	8-16	1 1/2" x 1" x 2 1/2"	79c						

TOBE TUBULAR Electrolytic Condensers



Very compact and handy condensers for use in small, tight places. Highest quality construction and conservative rating. With rugged tinned leads for easy installation. Ideal for all requirements.

Stock	No.	Mfd.	Volts	SIZE	NET
	A8442	1	500	2 1/2" x 1 1/2"	\$0.32
	A8443	2	500	2 1/2" x 1 1/2"	.38
	A8448	4	250	2 1/2" x 1 1/2"	.38
	A8441	8	200	2 1/2" x 1 1/2"	.44
	A8417	16	200	2 1/2" x 1 1/2"	.56
	A8450	6	175	2 1/2" x 1 1/2"	.56
	A8451	10	175	2 1/2" x 1 1/2"	.42
	A8452	5	125	2 1/2" x 1 1/2"	.34
	A8453	10	125	2 1/2" x 1 1/2"	.41
	A8454	25	125	2 1/2" x 1 1/2"	.56
	A8455	5	30	2 1/2" x 1 1/2"	.29
	A8456	10	30	2 1/2" x 1 1/2"	.33
	A8457	25	30	2 1/2" x 1 1/2"	.47
	A8459	5	30	2 1/2" x 1 1/2"	.29
	A8460	10	30	2 1/2" x 1 1/2"	.29
	A8461	25	30	2 1/2" x 1 1/2"	.38
	A8464	5-5	30	2 1/2" x 1 1/2"	.38

TOBE MICRANOL TRANSMITTING CONDENSERS



These condensers are positively sealed against moisture and are processed in Micranol. Will withstand peak surges of thousands of volts and will give long faithful service under hard working conditions. Housed in round aluminum containers with porcelain insulator supported terminals. Ring clamp for easy mounting. Priced very economically.

WORKING VOLTS 2000 D. C.

Tested at 6000 Volts D.C.	
A8412, 1.0 MFD. 3% x 3 1/2"	\$1.67
Diam. YOUR PRICE.....	
A8413, 2.0 MFD. 3% x 3 1/2"	2.45
Diam. YOUR PRICE.....	

TOBE AUTO VIBRATOR CONDENSERS

1600 Volt replacement condensers for vibrators.
A8517, For Model 44 Motorola, T35 Elk-onode, as illustrated, .01 mfd.
A8518, Tubular .01, 1 1/2" x 1 1/2". For Motorola Models 44, 77A, 66, 160.
A8519, Tubular .02, 1 1/2" x 1 1/2".
A8520, Tubular .05, 1 1/2" x 1 1/2".
YOUR PRICE, EACH. **29c**

HANDY TOBE CONDENSER KITS FREE METAL CABINETS



Save money and obtain a handy steel cabinet, FREE by buying these popular fast-making TOBE replacement condensers. Offered in two handy assortments contained in convenient and attractive olive-green high grade steel cabinets, 9 1/2" x 2 1/2" x 1 1/2" inches. Cabinets may be fastened together as new kits are purchased and added. These cabinets are very handy and may be used for a variety of storage and filing purposes.

KIT NO. 1

Consists of the following TOBE Tubular condensers in a steel cabinet: 500 Volt types: 3-.001; 2-.002; 3-.005; 5-.01; 5-.02; 400 Volt types: 5-.05; 5-.1; 5-.2; 25-.5 mfd. **\$484**

AS822, WITH FREE CABINET, NET

FREE: One handy metal cabinet is also given FREE with every order of TOBE condensers of your choice amounting to \$5.00 net.

KIT NO. 2

Consists of the following Dry Electrolytic condensers in a steel cabinet: 500 Volts: 2-3 mfd. in metal containers; 5-8 mfd. and 2-4 mfd. units in cardboard containers. **\$491**

AS823, WITH FREE CABINET, NET

TOBE METAL CAN ELECTROLYTICS



Excellent for replacement or construction work. Single section has threaded stud and nut for inverted mounting with tapped hole for 1/2" screw for upright mounting; flexible leads. Multiple sections have screw terminals and clamping rings for mounting.

500 Volt DC Peak				
No.	Mfd.	Size	NET	
A8418	4	1 1/2" x 1 1/2"	\$0.50	
A8419	6	1 1/2" x 1 1/2"	.59	
A8420	8	1 1/2" x 1 1/2"	.62	
A8423	8-15	3 1/2" x 1 1/2"	1.35	
A8423	8-8	2 1/2" x 1 1/2"	1.06	
A8424	8-8-8	3 1/2" x 1 1/2"	1.59	
A8425	8-8-8-8	3 1/2" x 1 1/2"	2.12	
A8426	9-0-18	3 1/2" x 1 1/2"	2.70	
A8427	9-0-18-18	3 1/2" x 1 1/2"	3.09	

TOBE FLEXIDON ELECTROLYTICS



Something new in condenser construction. Compact high-voltage electrolytic condensers featuring patented asphalt casing, tinned mounting eyelets, conservative rating, etc. Each section of multiple units has individual positive and negative leads; may be easily removed and replaced.

In case of failure, without bothering undamaged sections. The ideal service replacement condenser. Operating voltage 450.

500 Volt DC Peak				
No.	Mfd.	Size	NET	
A8429	1	2 1/2" x 1 1/2"	\$0.32	
A8430	2	2 1/2" x 1 1/2"	.38	
A8431	4	3 1/2" x 1 1/2"	.44	
A8432	6	3 1/2" x 1 1/2"	.54	
A8433	8	3 1/2" x 1 1/2"	.56	
A8434	10	3 1/2" x 1 1/2"	.68	
A8435	12	3 1/2" x 1 1/2"	.76	
A8436	16	3 1/2" x 1 1/2"	.85	
A8436	4-4	3 1/2" x 1 1/2"	.71	
A8437	4-8	3 1/2" x 1 1/2"	.79	
A8438	6-8	3 1/2" x 1 1/2"	.88	
A8439	4-4-4	3 1/2" x 1 1/2"	1.06	
A8440	8-8-8	3 1/2" x 1 1/2"	1.29	

TOBE UNIDONS

Single unit type condensers for replacing sections in the Flexidons cases. Non-corrosive design assures perfect contact and prevents electrolytic action between leads and foils. 450 volt D.C. working potential.

A8370	4 Mfd.	3 1/2" x 1 1/2"	45c
A8371	8 Mfd.	3 1/2" x 1 1/2"	50c

TOBE SURGPROOF Tubular Condensers



Compact non-inductive condensers. Sealed against moisture by double impregnation. Open connections are prevented by metal end pieces which radiate solder iron heat. Conservatively rated. With heavy tinned leads.

600 VOLTS				
No.	MFD.	SIZE	NET	EACH
A8466	.001	3/4" x 3/4"		
A8467	.002	3/4" x 3/4"		
A8468	.004	3/4" x 3/4"		
A8469	.005	3/4" x 3/4"		
A8470	.006	3/4" x 3/4"		
A8471	.008	1 1/4" x 3/4"		
A8472	.01	1 1/4" x 3/4"		
A8473	.02	1 1/4" x 3/4"		12c
400 VOLTS				
A8474	.04	1 1/4" x 3/4"		13c
A8475	.05	1 1/4" x 3/4"		13c
A8476	.06	1 1/4" x 3/4"		14c
A8495	.25	1 1/4" x 3/4"		26c
A8496	.25	1 1/4" x 3/4"		26c
A8497	.5	1 1/4" x 3/4"		29c
A8498	1-1	1 1/4" x 3/4"		29c
300 VOLTS				
A8490	.1	1 1/4" x 3/4"		13c
A8491	.25	1 1/4" x 3/4"		18c
A8492	.5	1 1/4" x 3/4"		26c
A8493	1.0	1 1/4" x 3/4"		26c
A8494	1-1	1 1/4" x 3/4"		29c

TOBE SURGPROOF REPAIR CONDENSERS



High quality repair condensers built for hard service. Compact; moisture proof. Tested at four times their rated working voltage. With long insulated flexible leads. Ideal for service work.

400 VOLT CONDENSERS				
No.	Mfd.	Size	List	NET
A8478	1	1 1/2" x 3/4"	\$0.35	21c
A8479	25	1 1/2" x 3/4"	.45	26c
A8480	5	2 1/2" x 3/4"	.55	32c
A8481	1	2 1/2" x 3/4"	.80	47c
A8482	2	2 1/2" x 3/4"	1.20	71c
600 VOLT CONDENSERS				
A8483	1	2 1/2" x 3/4"	\$0.45	26c
A8484	25	2 1/2" x 3/4"	.55	32c
A8485	5	2 1/2" x 3/4"	.85	38c
A8486	1	3 1/2" x 3/4"	1.00	59c
A8487	2	3 1/2" x 3/4"	1.50	88c



STANCOR EXACT DUPLICATE POWER TRANSFORMERS

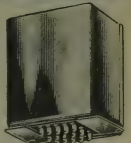


NEW REDUCED LOW PRICES



Precision-built transformers which conform exactly in every respect to original manufacturers' specifications of physical and electrical characteristics. Current ratings are conservative and assure correct operation. Easily and quickly installed. No refitting or redrilling is necessary. Through close contact with Stancor, we can supply Exact Duplicate Power Transformers for practically any set. Many of these exact duplicate transformers may also be used in old model sets for which no replacements have been available.

Send for your FREE copy of the Stancor Exact Duplicate Power Transformer listings. Refer to it often and it will save you time, money and trouble. You will find it extremely valuable in your service work. Will enable you to quickly and accurately choose the correct transformer for all replacements. Contains a very complete listing of exact duplicate power transformers for hundreds of standard radio sets—duplicates which fit perfectly in every detail.

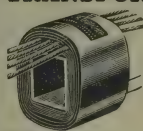


Models	No.	NET
ALL-AMERICAN MOHAWK		
D.....	A11500	\$4.06
J.D.....	A11501	2.79
ATWATER KENT		
37, 37C, 38.....	A11502	3.15
55, 55C (late).....	A11503	3.76
60 and 60C (early).....	A11504	3.56
60 and 60C (late).....	A11504	2.22
66 (Plate).....	A11506	3.67
L1, L2, H1, E2, P, 70 series.....	A11507	3.41
80, 83.....	A11508	3.41
82, 85.....	A11508	3.41
84.....	A11510	3.41
87, 89, 89P.....	A11511	3.70
BRUNSWICK		
14, 21, 31, 81, 82, S14, S21, S81, S82, S31.....	A11512	4.03
11, 11A, 12, 12A, 16, 16A, 18, 33, 35A.....	A11514	3.53
KE Series.....	A11515	3.18
3NC8, 5NC8.....	A11516	3.20
CLARION		
AC40.....	A11513	2.62
AC60.....	A11518	3.65
AC81, 70.....	A11519	3.47
AC80, 81, 84, 85, 120.....	A11520	2.50
AC90, 90A, 91.....	A11521	3.79
AC100.....	A11522	2.29
AC100.....	A11523	3.15
AC200.....	A11524	3.18
AC280.....	A11525	3.59
AC300.....	A11526	3.65
AC320.....	A11527	2.15
AC340.....	A11528	2.70
AC360.....	A11529	2.68
AC40, AC472.....	A11530	2.18
AC480.....	A11531	3.82
COLUMBIA RADIO		
AC5.....	A11532	2.59
AC7.....	A11533	2.73
SC8.....	A11534	2.14
SC9.....	A11535	4.50
CROSLEY		
40-S, 41-S, 42-S, 45-S, 82-S.....	A11536	3.18
41, 41A, 42, 704B, 706, Showbox.....	A11537	3.18
EDISON		
C4, R4, R5, JR, 8P.....	A11538	4.53
EVEREADY		
52, 53, 54.....	A11539	2.88
GENERAL MOTORS		
110, 130.....	A11540	2.23
211.....	A11541	2.53
KNIGHT		
AC5.....	A11532	2.59
SG8.....	A11534	5.14
SG9.....	A11535	4.50
Superhet 7.....	A11542	2.63
Superhet 9.....	A11543	6.47
KENNEDY		
10, 20.....	A11544	3.65

Models	No.	NET
KENNEDY (Cont'd)		
26.....	A11545	\$3.79
KOLSTER		
B15, B16.....	A11546	4.00
K20, K21, K22, K23, K25, K27, K28, K37.....	A11547	3.59
K24, K36.....	A11548	4.70
MAJESTIC		
21, 22, 23 (un-mounted).....	A11550	2.82
51, 52 (un-mounted).....	A11551	3.20
70 chassis (Plate).....	A11552	2.88
70 & 70B chassis (Filament).....	A11553	2.73
70B chassis (Plate).....	A11554	2.97
90B & 100B chassis.....	A11555	2.73
90 & 100 chassis.....	A11556	4.06
130, 131, 132, 233, 151, 153, 154, 155, 156 (unmounted).....	A11558	2.09
180, 181 (Plate).....	A11559	4.38
180, 181 (FIL).....	A11560	3.06
211, 214, 215 (un-mounted).....	A11561	3.23
25 & 25B chassis (unmounted).....	A11562	3.29
290, 291, 293, 294, 320, 324.....	A11564	4.62
340, 340B, 344.....	A11565	4.94
360, 363.....	A11566	4.70
PHILCO		
20, 220.....	A11567	3.41

Models	No.	NET
PHILCO (Cont'd)		
50, 51, 551, 52.....	A11568	\$2.47
61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 270, 370, 470, 570.....	A11569	3.20
76, 77.....	A11570	3.12
76, 77.....	A11571	3.56
86.....	A11572	3.12
87.....	A11573	3.53
90, 490 (1-47).....	A11574	3.88
90, 490 (2-47).....	A11575	3.97
90 (2-45).....	A11576	3.97
91.....	A11577	4.06
95, 96, 97.....	A11578	3.85
111, 212, 112 (2-45).....	A11579	4.26
111, 212 (2-47).....	A11580	3.88
511.....	A11581	3.35
18.....	A11582	3.59
RC-A RADLO-VICTOR		
AP736, AC774.....		
51, 10-10, 10-70, 12-15.....	A11583	5.53
AP736B, 9-16X.....	A11584	5.50
R64, R67, 9-18X, R7, 54, AP-777C.....	A11585	10.58
R32, R52, R35, RE75, E152, RE45, RE135, RE154, RE150.....	A11586	4.00
R4, R6.....	A11587	2.82
R5, R8.....	A11588	2.33
R7, R9.....	A11589	2.85
R7A.....	A11590	2.97
R8, R10, R12, RE19, R11, R21, RE26, RE18, RE18A, RE17, R15, R42, R43, RE17.....	A11592	3.29
R17, R18AC, R33AC, R51AC, R50, 7-11, 7-25, 7-26X, R44, R46AC, R47.....	A11593	3.88
R60, R82.....	A11594	3.50
R66.....	A11595	3.82
R80, R82, R86.....	A11596	3.47
SPARTAN		
AC7, 62, 63, 9A, 410, 430, 600A, 610A, 620A.....	A11600	2.47
35, 101, 110, 111, 111A, 870.....	A11601	3.76
89A.....	A11602	4.44
99, 100.....	A11603	3.18
103, 301, 301A, 564, 570, 574, 578, 740, 750.....	A11604	4.29
589, 591, 592, 931.....	A11605	4.79
U. S. RADIO & TEL.		
8 (series).....	A11606	3.85
9, 19.....	A11607	3.79
10 (series).....	A11610	3.18
30, 37 (Apex).....	A11611	3.38
7 (series).....	A11612	3.56
20 series (Gloriette).....	A11613	4.94
26 series Gloritone.....	A11614	7.3
26P series Gloritone.....	A11615	2.29
32.....	A11616	2.29
	A11617	2.29
	A11618	2.97

STANCOR Replacement TRANSFORMER COILS



Repair those hard-to-get power transformers with the exact duplicate coils listed below. Save time and money and make the old transformer as good as new.

Models	No.	NET
BOSCH		
48.....	A11620	\$1.76
58, 60.....	A11621	1.76
CROSLEY		
130.....	A11622	1.32
158.....	A11623	1.47
158.....	A11624	1.03
HOWARD		
Green Diamond (45's).....	A11625	1.76
Green Diamond (71A's).....	A11626	1.62
MAJESTIC		
210, 211, 214, 215, 40B, 401, 440.....	A11627	1.76
460, 461, 463.....	A11628	1.73
Treasure Chest.....	A11629	1.18
STEWART-WARNER		
102A, 202A.....	A11631	1.47

POWER TRANSFORMERS REBUILT LIKE NEW

SERVICE

We will rebuild for you any defective power transformer, to exact original specifications. Rewinding is expertly done, quickly and economically. We use the original case and laminations. You will find this service invaluable where exact duplicate transformers are no longer obtainable or hard to get. See the table at right for attractive prices. If your type of power transformer is not listed, write for quotation, stating name and model number of receiver, tube line-up and other available data. We can help you increase your profits and good-will with neat, efficient transformer-repair jobs.

WE PAY RETURN POSTAGE

DEALER'S PRICE LIST

SETS UP TO	POWER TUBES	YOUR PRICE
8 Tubes	1-71A	\$2.95
8 Tubes	2-71A	3.95
8 Tubes	2-45, or 47	3.95
9 Tubes	1-50, or 10	4.65
10 Tubes	1-50, or 10	5.25
10 Tubes	2-50, or 10	6.50

FOR SETS EQUIPPED WITH CARDON OR KELLOGG TUBES
Up to 9 Tubes. 2-82B Power Tubes. \$4.35
Up to 11 Tubes. 2-50 Power Tubes. 7.10
Prices quoted above are for rebuilding transformers not mounted in wax or pitch. Add \$1.00 to price if in wax or pitch. For 25 cycle transformers, add \$1.50.

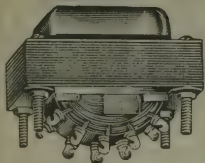
SHIPPING INSTRUCTIONS

For speedy and efficient service, please follow these suggestions:
1. Send in the old transformer by prepaid express or parcel post. Be sure your name and address appear clearly on the package.
2. Send your order in at the same time by first class mail in the usual way, either paid in full or with a 20% deposit. At the same time, you may include your order for other items as desired.
3. Be sure to specify on your order the make and model number of the set, plus the exact tube line-up. Also, be sure to state line volts, and whether 25 or 60 cycle.
We return rebuilt transformers postpaid anywhere in the United States. Take advantage of this additional big savings which will mean more profit for you.



POWER TRANSFORMERS

KNIGHT POWER TRANSFORMERS



Splendid values in carefully designed and well-constructed compact power transformers. Only fine quality materials are used throughout. Conservatively rated for long-lived efficient service. Several types insure selection of proper transformer for practically all set requirements.

CONVENIENT FLUSH MOUNTINGS—A TRANSFORMER FOR EVERY PURPOSE

Terminal arrangement provides for sub-panel wiring. It is not necessary to bring leads through chassis base. Easily installed as corner bolts furnish positive, solid mounting, ideal for use in limited space. These transformers are a boon to the serviceman, providing low-cost, high-grade units for replacement purposes.

2.5 VOLT TRANSFORMERS

Popular transformers for Midget receivers and sets using the 2.5 volt series of tubes. All have 115 Volt, 50-60 Cycle primaries.

4 OR 5 TUBE SETS

For: 2-24, 27, or 3-56, 57; 1-45, 47; 1-80.

Sec.: 650 V. at 40 M.A.-C.T.

2.5 V. at 5.0 Amps.-C.T.

5.0 V. at 2.0 Amps.

Mtg., 2"x2 1/2". Wt., 2 lbs.

A11675. YOUR PRICE... **63c**

5 TO 7 TUBE SETS

For: 2-24, 27, or 5-56, 57; 1-45, 47; 1-80.

Sec.: 650 V. at 50 M.A.-C.T.

2.5 V. at 7.0 Amps.-C.T.

5.0 V. at 2.0 Amps.

Mtg., 2"x2 1/2". Wt., 2 1/2 lbs.

A11676. YOUR PRICE... **94c**

7 TO 10 TUBE SETS

For: 1-37, 24, or 7-56, 57, 58; 2-45, 47, 2A5; 1-80.

Sec.: 700 V. at 70 M.A.-C.T.

5 V. at 3 A.

2.5 V. at 3.5 A.-C.T.

2.5 V. at 7.5 A.

Mtg., 2 1/2"x3 1/2". Wt., 4 lbs.

A11677. YOUR PRICE... **\$1.51**

TUBE TESTER PLATE AND FILAMENT TRANSFORMER

Furnishes conventional filament voltages for tube testers: 1.5, 2.0, 2.5, 3.3, 5.0, 6.3, 7.5, 15, 25 and 30 Volts at 2.0 Amps. Also has high voltage winding to supply 250 Volts A.C. at 40 M.A., for plate voltage of tube under test. Size 2 1/2" H. x 4 1/2" W. x 2 1/4" D., with 3 1/2" mounting centers.

A11704. List, \$3.50. NET **\$2.06**

STANCOR P931 POWER TRANSFORMER

For 7-27, 24, or 12-56, 57, 58; 2-45, 47, 2A5; 1-80, 58, 5Z3. Pri.-110 Volts, 60 cycles. Delivers 700 V. at 110 M.A.-C.T.; 5 V. at 3 A.-C.T.; 2.5 V. at 3.5 A.-C.T.; 2.5 V. at 12V A.-C.T. Universal mtg. Shpg. wt., 8 lbs.

A11705. List, \$5.15. NET **\$3.03**

KNIGHT-COLUMBIA POWER PACKS



Exact duplicates of original power pack in every detail of size, mounting and voltages supplied. By using these exact replacement units, you are assured of proper performance.

SCREEN GRID 8

Supplies all of the proper voltage for the popular Screen-Grid 8, which uses 3-24, 2-27, 2-45 and 1-80 tubes. Sturdily built; easy to install. Complete power pack.

A11681. NET **\$5.14**

SCREEN GRID 9

Complete power pack for S.G. 9. NET **\$4.50**

A11683. Power Transformer for A.C. 5. NET **\$2.59**

6.3 VOLT TRANSFORMERS

A really unusual buy in high-quality midget set transformers for the 6.3 volt series of tubes.

4 OR 5 TUBE SETS

For: 2 or 3-76, 78, 6D6, 6F7; 1-41, 42, 6F6; 1-80, 5Z4.

Primary: 115 V. at 50/60 cycles.

Sec.: 650 V. at 40 M.A.-C.T.

6.3 V. at 1.6 A.

5 V. at 2 A.

Mtg., 2 1/2"x2 1/2".

Wt., 3 lbs.

A11678. YOUR PRICE... **75c**

6 OR 7 TUBE SETS

For: 4 or 5-77, 78, 6D6; 1-41, 42, 6F6; 1-80, 5Z4.

Primary: 115 V. at 50/60 cycles.

Sec.: 700 V. at 50 M.A.-C.T.

6.3 V. at 2 A.-C.T.

5 V. at 2 A.

Mtg., 2 1/2"x2 1/2".

Wt., 3 lbs.

A11679. YOUR PRICE... **\$1.05**

7 TO 10 TUBE SETS

For: 5 to 8-77, 6D6, 6A7, 6F7; 1 or 2-11, 42, 6F6; 1-80, 5Z4, 6Z3.

Primary: 115 V. at 50/60 cycles.

Sec.: 700 V. at 75 M.A.-C.T.

6.3 V. at 3.2 A.-C.T.

5 V. at 3 A.

Mtg., 3"x2 1/2".

Wt., 6 lbs.

A11680. YOUR PRICE... **\$1.32**

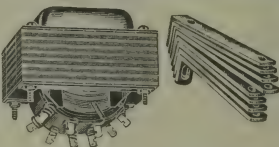
FOR AUTO RADIOS

A newly developed compact transformer, designed to deliver 250 volts at 50 M.A. in conjunction with any standard vibrator. Upright; 3 1/2" high; mtg. centers, 2"x1 1/4".

A7110. YOUR PRICE... **\$1.45**

YOUR PRICE... **\$1.45**

UTAH-CARTER POWER TRANSFORMERS



First quality low cost universal replacement type transformers. May be used either for replacement purposes or for custom-built sets. May be mounted horizontally, vertically or flush with chassis base. Each transformer is provided with cadmium-plated half-shell, 4 horizontal and 4 vertical mounting brackets. Terminals are clearly marked for quick connection. Easy to install because of universal design. Carefully engineered and honestly rated for constant operation and maximum life. Units listed below are the most popularly demanded.

FOR 5 TO 7 TUBE SETS

For: 3-24, 27 or 5-56, 57; 1-45, 47, 2A5; 1-80.

Size: 2 1/2"x3 3/4". Shpg. wt., 4 lbs.

Primary: 115 V. 50/60 cycles.

Sec.: 650 V. at 45 M.A.-C.T.

2.5 V. at 5.75 Amps.-C.T.

2.5 V. at 1.75 Amps.-C.T.

5.0 V. at 3.0 Amps.

A3255. List, \$2.90.

YOUR PRICE... **\$1.71**

FOR 9 TUBE SETS

For: 5-28; 1-27; 2-71A; 1-80.

Size: 3 1/2"x3 3/4". Shpg. wt., 5 lbs.

Primary: 115 V. 50/60 cycles.

Sec.: 500 V. at 60 M.A.-C.T.

1.5 V. at 6.25 Amps.

2.5 V. at 1.75 Amps.

5.0 V. at 0.5 Amps.

5.0 V. at 3.0 Amps.

A3257. List, \$3.50.

YOUR PRICE... **\$2.06**

EXACT DUPLICATE PHILCO Power Transformers



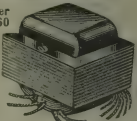
A newly developed line of high-quality exact duplicate Philco Replacement power transformers. These units are exactly identical to the originals in every electrical and physical characteristic. They were produced only after thorough examination of burned out and otherwise defective original transformers. Replacing burned out transformers with these units results in permanent installations.

NO.	Models	NET
A11684	18	\$2.70
A11685	20, 220	2.70
A11686	50, 51, 52	2.35
A11687	51	2.50
A11688	70, 270, 470	2.45
A11689	76	2.70
A11690	87	2.60
A11691	87	2.35
A11692	90 (1-47)	2.75
A11693	90 (2-47)	2.95
A11694	90 (2-45)	2.60
A11695	91	2.60
A11696	95, 96, 298	2.85
A11697	111, 112, 212, (45's)	3.10
A11698	112, 212, (47's)	3.10
A11699	112	2.25
A11700	16, 17 (Code 122)	3.10
A11701	14, 91 (Code 221-3)	2.70
A11702	16, 17 (Code 121)	2.70
A11703	21	2.85

Additional Exact Duplicate transformers for all sets are listed on Page 93.

KNIGHT FIELD EXCITER POWER TRANSFORMER

This power transformer is designed to deliver 150 volts at 200 M.A. out of filter, with an 83 or 523 rectifier tube. Will furnish full excitation for either one of two 1000 ohm speaker fields in parallel connection. Primary 115 volts 50/60 cycles. Sec. 200 volts at 225 M.A.-C.T. and 5 volts at 4 A. Size, only 2 1/2"x3 1/2"x3 1/2" inches.



A6066. YOUR PRICE... **\$1.75**

YOUR PRICE... **\$1.75**

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YOUR PRICE... **\$1.75**

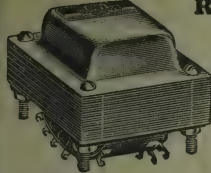
YOUR PRICE... **\$1.75**

YOUR PRICE... **\$1.75**

YOUR PRICE... **\$1.75**

YOUR PRICE... **\$1.75**

NEW STANCOR HALF-SHELL REPLACEMENT TRANSFORMERS



A new group of high-grade compact power transformers, designed to meet all requirements for superior flush-mounting replacements. Ideal for replacement purposes in midget and mantle type receivers; also useful in amplifier and receiver construction. These transformers are constructed of the best quality materials; superior design and neat, workmanlike appearance make them unusual values. Uniformly wound coils and generous insulation assure long, trouble-free performance. Ample safety factor allows momentary high peak-current draws without seriously taxing transformer. Available in eight popular sizes, for use with 2.5 or 6.3 volt tubes. For 110 Volt 60 cycle A.C. operation.

4 OR 5 TUBES—2.5 VOLTS
Type P2770. For 2 or 3—57, 58, 56; 1—47, 2A5; 1—80.
Sec.: 650 V. at 40 M.A.-C.T.
5 V. at 2 A.; 2.5 V. at 4.5 A.-C.T.
Mtg. area $2\frac{1}{2} \times 3\frac{1}{2}$ "
A11235. List, \$2.25. **\$1.32**
NET

5 TO 6 TUBES—2.5 VOLTS
Type P2869. For 3—24, 27; or 5—56, 57, 58; 1—47, 2A5; 1—80, 523.
Sec.: 700 V. at 50 M.A.-C.T.
5 V. at 2 A.; 2.5 V. at 1.75 A.-C.T.
Mtg. area $2\frac{1}{2} \times 3\frac{1}{2}$ "
A11236. List, \$3.15. **\$1.85**
NET

6 TO 7 TUBES—2.5 VOLTS
Type P2859. For 4—24, 35, 27; 7—56, 57, 58; 2—45, 47, 2A5; 1—80, 523.
Sec.: 700 V. at 70 M.A.-C.T.
5 V. at 3 A.; 2.5 V. at 3.5 A.-C.T.
Mtg. area $3\frac{1}{2} \times 4\frac{1}{2}$ "
A11237. List, \$3.45. **\$2.03**
NET

8 TO 9 TUBES—2.5 VOLTS
Type P2860. For 5—24, 27, 35; 9—56, 57, 58, 2—45, 47, 2A5; 1—80, 523.
Sec.: 700 V. at 90 M.A.-C.T.
5 V. at 5 A.; 2.5 V. at 3.5 A.-C.T.
Mtg. area $3\frac{1}{2} \times 4\frac{1}{2}$ "
A11238. List, \$4.00. **\$2.35**
NET

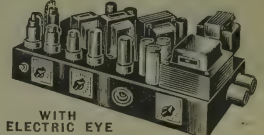
4 TUBES—6.3 VOLTS
Type P2751. For 2—37, 76, 77, 78, 6C6, 6D6, 617, 6K7; 1—41, 42, 6F6; 1—80, 524.
Sec.: 650 V. at 40 M.A.-C.T.
5 V. at 2 A.; 6.3 V. at 1.6 A.-C.T.
Mtg. area $2\frac{1}{2} \times 3\frac{1}{2}$ "
A11239. List, \$1.95. **\$1.15**
NET

4 OR 5 TUBES—6.3 VOLTS
Type P2771. For 2 or 3—77, 78, 6C6, 6D6, 617, 6K7; 1—41, 42, 6F6; 1—80, 524.
Sec.: 650 V. at 40 M.A.-C.T.
5 V. at 2 A.; 6.3 V. at 2 A.-C.T.
Mtg. area $2\frac{1}{2} \times 3\frac{1}{2}$ "
A11241. List, \$2.25. **\$1.32**
NET

5 OR 6 TUBES—6.3 VOLTS
Type P2848. For 3 or 4—77, 6C6, 6D6, 6A8, 617, 6K7, 6C5; 1—41, 42, 6F6; 1—80, 523, 524.
Sec.: 675 V. at 70 M.A.-C.T.
5 V. at 3 A.; 6.3 V. at 2.5 A.-C.T.
Mtg. area $3\frac{1}{2} \times 4\frac{1}{2}$ "
A11242. List, \$3.60. **\$2.12**
NET

7 TO 10 TUBES—6.3 VOLTS
Type P2849. For 4 to 7—6C6, 6D6, 617, 6K7, 6C5; 2—41, 42, 6F6; 1—80, 523, 524.
Sec.: 700 V. at 120 M.A.-C.T.
5 V. at 5 A.; 6.3 V. at 3 A.-C.T.
Mtg. area $3\frac{1}{2} \times 4\frac{1}{2}$ "
A11243. List, \$3.90. **\$2.29**
NET

STANCOR HIGH GAIN METAL TUBE AMPLIFIER KIT



WITH ELECTRIC EYE
A new high quality, high-gain amplifier kit featuring: all metal tubes; "electric eye" output indicator; Class "AB" 18 watt output stage; flexible input for two simultaneous channels; 115 db. gain from crystal microphone input; field supply for 2—2500 ohm speakers, and Universal output transformer; 500 ohms, tapped at 15, 8 and 5 ohms. Uses 2—6X4—6C5; 3—6X4—2—2A4 and 1—6X5.

FOUNDATION UNIT

Consists of: sturdy chassis base, 17"x8"x3", with all mounting holes for transformers, chokes, sockets and accessories; with 10 tube sockets, 2 output sockets, 2 input sockets, resistor mounting shelf and electric eye socket already mounted. Handsome black finish. **\$3.53**

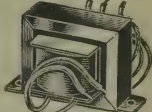
No.	Type	Description	NET
A11246	MF3700	Power Trans.	\$5.00
A11247	MC1640	Input Filter Choke	2.85
A11248	MA3650	Output Transf.	2.62
A11249	MA4605	P.P. Input Trans.	2.35
A11250	MC1040	High Imp. Choke	2.35
A11251	MC1003	2nd Filter Choke	1.91
A11252	MC1002	1st Filter Choke	1.91
A11253	MC1515	Bias Choke	.69

COMPLETE ESSENTIALS KIT
A11254. Consists of complete kit of all necessary chokes and transformers listed above, and including the chassis foundation unit with sockets, etc. **\$19.22**
YOUR PRICE

COMPLETE PARTS KIT
A11255. Contains all necessary resistors, condensers, gain and tone controls, hardware, etc., for completing the Stancor High-Gain amplifier. Does not include Essentials Kit above. Less tubes and speaker. **\$12.85**
DETAILED FREE PARTS LIST, HARDWARE LIST AND DESCRIPTION. **\$12.85**
YOUR PRICE

STANCOR TUBE CHECKER TRANSFORMER

For replacement in standard tube testers or for use in modernizing older units. Size, $2\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ ". Primary tapped for 105, 115, 125 volts, 60 cycles. Secondary is tapped at 1.1, 1.5, 2.0, 2.5, 4.0 ohms. 6C5, 6C6, 6C7, 6C8, 7.5, 14, 25 and 30 volts. Supplies the correct filament voltage for all types of tubes. Strap mounting type with long flexible leads. Wt., 3 lbs.
A11256. List, \$3.20. **\$1.88**
YOUR PRICE



GENERAL PURPOSE CHOKES

A reliable listing of high quality choke units which may be used for either filter or plate coupling use. Accurately rated and generously insulated. Strap mounting type.

A11257.	30 HENRY at 50 MA.	D.C. resistance, 550 ohms. $1\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ " mtg. area. Wt., 2 lbs. List, \$1.25. 73c
A11258.	30 HENRY at 75 MA.	D.C. resistance, 400 ohms. $1\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ " mtg. area. Wt., 2 lbs. List, \$1.55. 91c
A11259.	30 HENRY at 110 MA.	D.C. resistance, 200 ohms. $2\frac{1}{2} \times 4\frac{1}{2} \times 4\frac{1}{2}$ " mtg. area. Wt., 3 lbs. List, \$1.85. \$1.09
A11260.	50 HENRY at 15 MA.	D.C. resistance, 50 ohms. $1\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ " mtg. area. Wt., 1½ lbs. List, \$1.00. 59c



STANCOR UNIVERSAL REPLACEMENT POWER TRANSFORMERS

These new Stancor fully shielded Universal Replacement Power Transformers have been carefully developed to meet all possible needs of Service-men for units to be used in sets employing from 7 to 16 tubes. Each unit is completely shielded and fitted with fibre prommets through which leads are brought out. All leads emerge through the bottom of the transformer making an easy and neat-appearing installation. All transformers are individually packaged, each box having on it the essential specifications of the transformer it contains. Diagram with standard color code is also included. All primaries are for 115 volts, 50-60 cycles.

FREE STANCOR REPLACEMENT TRANSFORMER GUIDE
The latest Stancor Replacement Guide is now available. Full of valuable, pertinent transformer data. Write for your copy, or add one to your next order.

7 TO 11 TUBES—2.5 VOLTS
Type P1502. For 5—27, 24 or 9—56, 57; 1—45, 47, 2A5; 1—80, 83, 523.
Sec.: 700 V. at 70 M.A.-C.T.
2.5 V. at 9 A.-C.T.; 2.5 V. at 1.75 A.-C.T.
5.0 V. at 3 A.-C.T. Shpg. wt., 5 lbs.
Size, $3\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ " high.
A11261. List, \$5.00. **\$2.94**
NET

8 TO 12 TUBES—2.5 VOLTS
Type P1504. For 5—27, 24A or 9—56, 57; 2—45, 47, 2A5; 1—80, 83, 523.
Sec.: 700 V. at 120 M.A.-C.T.
2.5 V. at 12.5 A.-C.T.
5.0 V. at 3 A.-C.T. Wt., 7½ lbs.
Size, $4\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ " high.
A11263. List, \$5.45. **\$3.44**
NET

ACME STEP-DOWN TRANSFORMER
Will reduce line voltages of 220-240 volts, 50/60 cycle to 110-120 volts for operation of radio sets, amplifiers and appliances. Will safely handle devices consuming up to 200 watts. Supplied with 8 foot cord, plug, and receptacle. Wt., 8 lbs.
A11265. List, \$10.00. **\$3.95**



10 TO 16 TUBES—2.5 VOLTS
Type P1505. For 7—27, 24A or 13—56, 57; 2—45, 47, 2A5; 1—80, 83, 523.
Sec.: 700 V. at 120 M.A.-C.T.
2.5 V. at 9 A.-C.T.; 2.5 V. at 4 A.-C.T.
2.5 V. at 3½ A.-C.T.
5.0 V. at 3 A.-C.T. Wt., 7½ lbs.
Size, $4\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ " high.
A11263. List, \$6.05. **\$3.56**
NET

7 TUBES—6.3 VOLTS
Type P1570. For 4—44, 37, 6C5; 2—42, 6F6; 1—80, 523, 524.
Sec.: 700 V. at 85 M.A.-C.T.
6.3 V. at 3 A.-C.T.
5.0 V. at 3 A.-C.T. Wt., 5 lbs.
Size, $3\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ " high.
A11264. List, \$5.50. **\$3.23**
NET

ACME VARIABLE VOLTAGE ADJUSTER
A unique, efficient device for maintaining proper operating voltages where line fluctuation is a source of annoyance. Adjustment allows step-up or step-down action. Primary voltage range, 85 - 100 - 115 - 130 - 145 volts; secondary output, 115 volts, 50-60 cycles. $3\frac{1}{2} \times 3\frac{1}{2} \times 4\frac{1}{2}$ " with voltmeter and 8 ft. cord and plug.
A11266. **\$7.06**

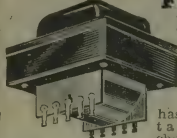


THORDARSON UNIVERSAL POWER TRANSFORMERS

FREE THORDARSON REPLACEMENT GUIDE

Write for the FREE Thordarson Replacement Power Transformer Guide. It will save you time and money for it shows, at a glance, the popular standard transformer units for hundreds of radio sets.

FOR UNIVERSAL REPLACEMENT



2H

Thordarson Power Transformers listed below are designed to operate from 110-115 Volts, 50-60 Cycle Lines.

A power transformer for every replacement purpose will be found in the carefully selected group of Thordarson units listed on this page. Painsstaking care has been exercised in every detail of manufacture, and in choice of windings to assure original performance. All Thordarson power transformers listed below are designed to operate from 110-115 Volts, 50-60 Cycle Lines.



2G

SPECIAL TRANSFORMERS AVAILABLE

We can supply all Thordarson Universal Transformers with 110-115 volt, 25 cycle primaries at 60% net additional, and with 220 volt, 60 cycle primaries at 30% additional. Please send deposit with orders.

LATEST TYPES

The transformers shown on this page are the latest Thordarson types and incorporate every practical engineering development. The 6.3 volt types are for use with either the glass or new metal type tubes. The mounting features are universally adaptable for easy installation. Note particularly the new universal type U mounting power transformers adaptable to practically all types of receivers.



2U

2H - HALF-SHELL

Transf.	H.	W.	D.	MTG. HOLES
T6049	2 1/2"	3"	2 1/2"	2 1/2"
T6050	3"	3 1/2"	3"	3"
T4900	3 1/2"	3 1/2"	3 1/2"	3 1/2"x2 1/2"
T7020	3"	3 1/2"	3"	2 1/2"
T5003	3 1/2"	3 1/2"	3 1/2"	3 1/2"x2 1/2"
T7021	3 1/2"	3 1/2"	3 1/2"	3 1/2"x2 1/2"

4 TUBES-2.5 VOLTS

Type T6049. For 2-57, 58, 1-2A5; 1-80. SEC.: 250 V. D.C. at 30 M.A.

2.5 V. at 3.5 A.-C.T. \$1.18

5.0 V. at 2.0 A. Shpg. wt., 3 lbs.

A11010. List, \$2.00. NET....

4 TO 5 TUBES-2.5 VOLTS

Type T5002. For 2-24, 27, or 3-56, 57; 1-47, 2A5; 1-80.

SEC.: 275 V. D.C. at 40 M.A.

2.5 V. at 5.0 A.-C.T. \$1.62

5.0 V. at 2.0 A. Shpg. wt., 4 lbs.

A11011. List, \$2.75. NET....

5 TO 9 TUBES-2.5 VOLTS

Type T4900. For 4-24, 27, or 7-56, 57; 1-47, 2A5; 1-80.

SEC.: 300 V. D.C. at 70 M.A.

2.5 V. at 8.5 A.-C.T. \$1.90

5.0 V. at 3.0 A. Shpg. wt., 5 lbs.

A11012. List, \$3.25. NET....

4 OR 5 TUBES-6.3 VOLTS

Type T7020. For 2 or 3-77, 78, 6K7, 6F5; 1-42, 6F6; 1-80, 5Z3, 5Z4.

SEC.: 250 V. D.C. at 50 M.A.

6.3 V. at 2.0 A.-C.T. \$1.62

5.0 V. at 2.0 A. Shpg. wt., 4 lbs.

A11013. List, \$2.75. NET....

8 TO 12 TUBES-2.5 VOLTS

Type T5003. For 5-27, 24, or 9-56, 57; 2-47, 2A5; 1-80, 5Z3.

SEC.: 300 V. D.C. at 80 M.A.

2.5 V. at 12.0 A.-C.T. \$2.20

5.0 V. at 3.0 A. Shpg. wt., 6 lbs.

A11014. List, \$3.75. NET....

6 TO 8 TUBES-6.3 AND 2.5 V.

Type T7021. For 5 or 6-76, 77, 78, 6C5, 6K7, 6F5; 2-47, 2A5, 48; 1-80, 5Z3, 5Z4.

SEC.: 300 V. D.C. at 70 M.A.

6.3 V. at 3.0 A.-C.T. \$2.06

2.5 V. at 4.0 A.-C.T.

5.0 V. at 2.0 A. Shpg. wt., 5 lbs.

A11015. List, \$3.50. NET....

FREE Special Offer

A HANDY NEW TOOL

THORDARSON PROBING LIGHT

An invaluable new trouble light for probing into dark corners can be yours FREE. Gives you plenty of light where you need it. In handy fountain-pen size. Operates on any 110 Volt line, A.C. or D.C. No batteries required. Idea for using in the shop or on service calls. Cannot ground or short-circuit. Consists of a 6 volt pilot lamp and socket in a 5 inch fibre tube with 6 ft. cord and rubber plug. An extremely useful and practical tool.

A11003. Given FREE with order for Thordarson units totaling \$5.00 net or more, or sold separately.

(List, \$1.50) at net \$88c



2 G - FULLY SHIELDED

Transf.	H.	W.	D.	MTG. HOLES
T7078	4 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"
T7061	4 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"
T5002	4 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"
T5001	4 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"
T5004	4 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"
T5005	4 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"

4 OR 5 TUBES-6.3 VOLTS

Type T7078. For 2 or 3-77, 78, 6C5, 6K7, 6F5; 1-42, 6F6; 1-80, 5Z4.

SEC.: 250 V. D.C. at 55 M.A.

6.3 V. at 1.5 A.-C.T. \$1.76

5.0 V. at 2.0 A. Shpg. wt., 6 lbs.

A11016. List, \$3.00. NET....

6 TO 8 TUBES-6.3 VOLTS

Type T7061. For 5 or 6-76, 77, 78, 6C5, 6K7, 6F5; 1-42, 6F6; 1-80, 5Z4.

SEC.: 275 V. D.C. at 70 M.A.

6.3 V. at 2.5 A.-C.T. \$2.35

5.0 V. at 2.0 A. Shpg. wt., 6 1/2 lbs.

A11017. List, \$4.00. NET....

7 TO 11 TUBES-2.5 VOLTS

Type T5602. For 5-27, 24, or 9-56, 57; 1-47, 2A5; 1-80.

SEC.: 300 V. D.C. at 70 M.A.

2.5 V. at 9.0 A.-C.T. \$2.50

5.0 V. at 3.0 A. Shpg. wt., 7 lbs.

A11018. List, \$4.25. NET....

10 TUBES-1.5 VOLTS

Type T5601. For 5-26; 2-27; 2-71A; 1-80.

SEC.: 225 V. D.C. at 70 M.A.

1.5 V. at 1.0 A. \$1.62

1.5 V. at 4.0 A.-C.T.

5.0 V. at 3.0 A.-C.T.

5.0 V. at 2.0 A.-C.T. \$2.65

A11019. List, \$4.50. NET....

8 TO 12 TUBES-2.5 VOLTS

Type T5604. For 5-24, 27, or 9-56, 57; 2-47, 2A5; 1-80.

SEC.: 300 V. D.C. at 105 M.A.

2.5 V. at 12.0 A.-C.T. \$3.09

5.0 V. at 2.0 A. Shpg. wt., 8 lbs.

A11020. List, \$5.25. NET....

11 TO 13 TUBES-6.3 VOLTS

Type T7062. For 8 to 10-76, 6C5, 6D6, 6C5, 6K7, 6F7; 2-42, 6F6; 1-80, 5Z3, 5Z4.

SEC.: 325 V. D.C. at 145 M.A.

6.3 V. at 4.5 A.-C.T. \$3.23

5.0 V. at 3.0 A. Shpg. wt., 8 lbs.

A11021. List, \$5.50. NET....

10 TO 15 TUBES-2.5 VOLTS

Type T5605. For 7-24, 27, or 12-56, 57; 2-47, 2A5; 1-80.

SEC.: 300 V. D.C. at 110 M.A.

2.5 V. at 9.0 A.-C.T. \$3.38

2.5 V. at 3.0 A.-C.T.

2.5 V. at 3.0 A.-C.T.

3.0 V. at 3.0 A.-C.T. \$3.38

A11022. List, \$5.75. NET....



T5701 UNIVERSAL OUTPUT

Designed to operate any dynamic speaker with any combination of standard power tubes, single or push-pull. Has 14 secondary impedances for accurately matching to any voice coil, ranging from 1/10 to 29 ohms. Primary impedance may be varied from 4,000 to 14,000 ohms.

With instructions. Wt., 2 lbs. \$1.18

A11006. List, \$2.00. NET....

2U - UNIVERSAL MOUNTING

Supplied with special universal mounting brackets shown above for mounting in any desired position.

Transf.	H.	W.	D.	MTG. HOLES
T7537	2 1/2"	2 1/2"	3"	2x2 1/2"
T7538	2 1/2"	2 1/2"	3"	2x2 1/2"
T7539	2 1/2"	2 1/2"	3"	2x2 1/2"
T7543	3 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"
T7541	3 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"
T7542	3 1/2"	3 1/2"	3 1/2"	2 1/2"x2 1/2"

4 OR 5 TUBES-2.5 VOLTS

Type T7537. For 2-24, 27 or 3-56, 57; 1-47, 2A5; 1-80, 5Z3.

SEC.: 275 V. D.C. at 40 M.A.

2.5 V. at 5.0 A.-C.T. \$1.38

5.0 V. at 3.0 A. Shpg. wt., 3 1/2 lbs.

A11023. List, \$2.35. NET....

4 OR 5 TUBES-6.3 VOLTS

Type T7538. For 2 or 3-77, 78, 6K7, 6F5; 1-42, 6F6; 1-80, 5Z3, 5Z4.

SEC.: 275 V. D.C. at 40 M.A.

6.3 V. at 2.0 A.-C.T. \$1.38

5.0 V. at 3.0 A. Shpg. wt., 3 1/2 lbs.

A11024. List, \$2.35. NET....

5 TO 7 TUBES-2.5 VOLTS

Type T7540. For 3-24, 27 or 5-56, 57; 1-47, 2A5; 1-80, 5Z3.

SEC.: 300 V. D.C. at 50 M.A.

2.5 V. at 5.25 A.-C.T. \$1.76

2.5 V. at 1.75 A.-C.T.

5.0 V. at 3.0 A. Shpg. wt., 4 lbs.

A11025. List, \$3.00. NET....

6 TO 8 TUBES-6.3 VOLTS

Type T7543. For 5 or 6-76, 77, 78, 6C5, 6K7, 6F5; 1-42, 6F6; 1-80, 5Z3, 5Z4.

SEC.: 300 V. D.C. at 70 M.A.

6.3 V. at 2.5 A.-C.T. \$1.90

5.0 V. at 3.0 A. Shpg. wt., 5 lbs.

A11026. List, \$3.25. NET....

5 TO 9 TUBES-2.5 VOLTS

Type T7541. For 4-24, 27 or 7-56, 57; 1-47, 2A5; 1-80, 5Z3.

SEC.: 300 V. D.C. at 70 M.A.

2.5 V. at 9.0 A.-C.T. \$1.97

5.0 V. at 3.0 A. Shpg. wt., 5 lbs.

A11027. List, \$3.35. NET....

7 TO 10 TUBES-2.5 VOLTS

Type T7542. For 5-27, 24, or 7-56, 57; 2-47, 2A5; 1-80, 5Z3.

SEC.: 300 V. D.C. at 70 M.A.

2.5 V. at 7.0 A.-C.T. \$2.12

2.5 V. at 3.5 A.-C.T.

5.0 V. at 3.0 A. Shpg. wt., 5 lbs.

A11028. List, \$3.60. NET....

THORDARSON PHILCO CHOKES AND OUTPUTS

Exact duplicates of originals. For others, state model number when ordering.

FILTER CHOKES

Cat. No.	Models	List	NET
A11030	20 (220)	\$1.35	\$0.79
A11031	21, 470, 490, 91	1.35	.79
A11032	47, 91	1.50	.88
A11035	70, 270, 90, 90B, 190	1.35	.79
A11036	85 (2nd choke)	2.25	1.32
A11037	85 (2nd choke)	2.50	1.47

Output Transformers

Cat. No.	Models	List	NET
A11037	15	\$1.25	\$0.73
A11038	20 (220), 21	1.75	1.03
A11039	70, 270, 470, 490	1.75	1.03

AMPLIFIER & LINE COUPLING TRANSFORMERS THORDARSON

LATEST COUPLING TRANSFORMERS

FOR EVERY PURPOSE



FIG. A



FIG. B



FIG. C



FIG. D



FIG. E

The latest Thordarson high quality transformers, designed for practically every input, output, mixer or line purpose. A transformer for almost any need will be found in the listing below. All units have been carefully designed, and are precision-built.

TUBE TO LINE (LOW LEVEL)

Cat. No.	Type	Fig.	Primary	Secondary	List	NET
A11041	T6515	D	56, 37, 27, 864, 30, etc.	200 or 50 Ohms.	\$2.75	\$1.62
A11042	T6226	D	56, 37, 27, 864, 30, etc.	500 or 125 Ohms.	2.75	1.62
A11054	T7211	D	P. P. 56, 37, 27, 864, etc.	500 or 125 Ohms.	3.00	1.76
A11044	T6753	D	P. P. 56, 37, 27, 864, etc.	200 or 50 Ohms.	3.00	1.76

MIXER OR LINE TO TUBE

A11045	T6516	D	200 or 50 Ohms.	Single or PP Grids.	\$2.75	\$1.62
A11046	T6372	D	50, 100, 150 or 200 Ohms.	Single Grid.	4.00	2.35
A11047	T6371	D	200, 400, 600 or 800 Ohms.	Single Grid.	4.00	2.35
A11048	T6194	D	500 or 125 Ohms.	Single or PP Grids.	3.75	2.20

MIXER OR LINE TO LINE

A11050	T6196	D	500 or 125 Ohms.	200 or 50 Ohms.	4.00	\$2.35
A11051	T6374	D	H. I. Phono Pickup.	200 or 50 Ohms.	3.00	1.76

MICROPHONE COUPLING TRANSFORMERS

A11052	T6373	D	D. B. Mike 200-0-200 Ohms.	200 or 50 Ohms.	\$3.75	\$2.20
A11053	T6197	D	Ribbon or Velocity Mike.	200 or 50 Ohms.	3.00	1.76
A11054	T7083	D	Crystal Mike.	200 or 50 Ohms.	4.00	2.35
A11055	T6573	D	D. B. Mike 200-0-200 Ohms.	Single Grid.	3.25	1.90
A11056	T6587	D	D. B. Mike 200-0-200 Ohms.	Single Grid.	2.25	1.32
A11057	T3020	D	D. B. Mike 200-0-200 Ohms.	Single Grid.	3.50	2.05
A11058	T2357	A	Single Button Microphone	200 Ohms.	2.25	1.32
A11059	T6123	D	Ribbon or Velocity Mike.	Single Grid.	3.00	1.76

OUTPUT COUPLING TRANSFORMERS

A11060	T6125	C	Universal, 2A3, 2A5, 45, 47, 50, etc.	500 Ohms.	\$3.50	\$2.05
A11061	T6126	C	Universal, PP2A3, 2A5, 45, 47, 50, etc.	500 Ohms.	3.50	2.05
A11062	T6701	C	Universal, Single or PP output tubes.	1 to 29 Ohms.	2.00	1.18
A11063	T6754	D	PP2A3 45 Class "A".	4, 8, 15 or 500 Ohms.	4.00	2.35
A11064	T6748	D	PP45 Class "A" or 1-53 Class "B".	4, 8, 15 or 500 Ohms.	3.50	2.05
A11065	T6752	D	2-53, PP parallel Class "B" or 2-46 or 59 Class "B" or 2-6F6 Class "AB".	4, 8, 15 or 500 Ohms.	4.00	2.35
A11066	T6792	D	4-2A3 PP parallel Class "AB".	4, 8, 15 or 500 Ohms.	4.00	2.35
A11067	T6753	E	4-41 or 59 PP parallel Class "B".	4, 8, 15 or 500 Ohms.	6.50	3.82
A11070	T6751	D	PP Pentodes, 79 Class "B" or 2-10 Class "A".	4, 8, 15 or 500 Ohms.	3.50	2.05
A11071	T6594	D	PP50 Class "A", 2A5 or 42 Class "AB", or 2-79 Class "B".	4, 8, 15 or 500 Ohms.	4.00	2.35
A11072	T7575	D	PP6B5, 2B6, or 6B6.	4, 8, 15 or 500 Ohms.	4.00	2.35
A11073	T8458	D	PP6L6 Class "AB".	4, 8, 15 or 500 Ohms.	6.00	3.53
A11074	T6760	D	1-19 or PP30, 49 Class "B".	4, 8 or 2000 Ohms.	3.75	2.20

LINE TO SPEAKER

A11075	T6048	C	500 Ohms.	Universal Voice Coils.	\$3.00	\$1.76
A11076	T5381	B	500 or 250 Ohms.	4, 8 or 15 Ohms.	4.50	2.65
A11077	T7674	C	500 Ohms (Auto-transf.).	500, 250, 166, 125, 100 or 84 Ohms.	3.00	1.76

CLASS "B" AND "AB" INPUTS

A11078	T6750	D	1-89 Class "A".	1-79 or 53 Class "B".	\$2.75	\$1.62
A11079	T6789	D	1-89 Class "A".	2-79 parallel Class "B".	3.50	2.05
A11080	T6747	D	1-53 (plates in parallel).	1-53 Class "B".	2.75	1.62
A11081	T6778	D	1-46 or 59 Class "A".	2-46 or 59 Class "B".	3.50	2.05
A11082	T6698	B	2-46 or 59 PP Class "A".	4-46 or 59 push-pull parallel Class "B".	5.25	3.09
A11083	T6578	D	1-2A5 or 42 Triode.	PP 2A5's or 42's Class "AB".	4.50	2.65
A11084	T7201	D	PP 56's, etc.	PP 45's Class "AB".	3.75	2.20
A11085	T8142	D	6F6 Triode.	PP 6F6 Class "AB".	3.75	2.20
A11086	T8459	D	PP 6C5, 37, 76, etc.	PP 6L6 Class "AB".	3.75	2.20

MODULATION TRANSFORMERS

A11087	T6426	B	2-46 or 59 Class "B".	5,000 or 10,000 Ohms (100 MA).	\$6.00	\$3.53
A11088	T6425	B	2-210 Class "B".	5,000 or 10,000 Ohms (200 MA).	9.00	5.29
A11089	T6759	D	1-53, 6A6 or 79 Class "B".	3,000 Ohms (100 MA).	3.00	1.76

TRANSCIVER AUDIOS

A11090	T5463	D	1-30 or 49 Class "A".	1-19 or 2-49's Class "B".	\$2.50	\$1.47
A11091	T6769	D	1-19 Class "B".	2,700 Ohms (50 MA).	2.75	1.62
A11092	T6760	D	1-19 or PP30 Class "B".	4, 8 or 2000 Ohms.	3.75	2.20
A11093	T6806	D	Single Pentode.	10 or 2000 Ohms.	2.50	1.47
A11094	T7258	C	Single Pentode.	High or Low Impedance Phones.	1.65	.97
A11095	T7259	C	Single Plate and Single Button Microphone.	Single Grid.	1.65	.97

Transformers for New 6L6 Tubes

A11100. T8460. Power Transformer. Fig. E. Specially designed to supply plate and screen voltages to 6L6's. Primary, 115 volts, 60 cycle; secondary 400 volts, 250 M.A., and 300 volts, 50 M.A. Will supply 300 volts, 100 M.A., and 250 volts, 25 M.A. through filter and bleeder. 5x33x13. Shpg. wt. 14 lbs. NET. **\$5.29**

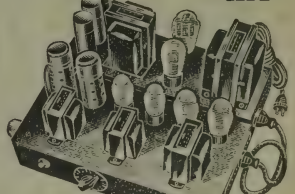
A11073. T8458. Output Transformer. Fig. E. For coupling push-pull Class AB 6L6's to 4, 8 or 15 ohm voice coil or 500 ohm line. Measures 3x4x33x13. Shpg. **\$3.53**

A11086. T8459. Driver Transformer. Fig. D. For coupling PP 6C5's, 76's, etc., to PP 6L6's Class AB. Ratio of primary to 1/2 secondary is 5 to 1. Split secondary type. Measures 3x2x2x12. Shpg. wt. 3 lbs. NET. **\$2.20**

A11103. T8410. Modulation Transformer. Fig. B. For coupling PP 6L6's Class AB to 2500 ohm modulation load at 250 M.A., 5000 ohms at 200 M.A., or 7500 ohms at 150 M.A. Measures 6x4x33x13. Shpg. **\$5.88**

A11104. T7984. Filament Transformer. Fig. E. Primary winding for 115 Volts 60 cycle A.C., has secondaries for 6.3 Volts C.T., 3 Amp.; 5 Volts, 3 Amp.; and 2 1/2 Volts C.T., 3/2 Amp. 4x33x33x13. Shpg. wt. 6 lbs. NET. **\$2.79**

18 WATT AMPLIFIER KIT



Build your own high-quality high-gain amplifier around this new, superior Thordarson 18 Watt Class AB circuit. Complete kit offered below has all components matched. Easy to build, superior in operation. Universal input for any microphone; field supply for 1 to 4 speakers; built-in pre-amplifier; built-in microphone current supply, etc. Uses 2-6C6, 2-76, 2-42 Class AB, 1-82 and 1-83. Begin with the foundation unit; add units as you progress.

FOUNDATION UNIT T-7518

Separate amplifier and power supply bases, with sockets mounted and all other necessary holes drilled; also includes 1-sub-assembly base; 4-resistor mounting strips; input and output terminal strips, and complete diagrams and instructions. **\$3.53**

No.	Type	Description	NET
A11111	T7428	Power Transf.	\$3.82
A11112	T7429	Power Choke	2.76
A11113	T7430	Filter Choke	.88
A11114	T7431	Input Impedance	2.05
A11115	T7432	I.P. Input	2.20
A11116	T1992	Choke	1.03
A11117	T5319	Choke	.79
A11118	T7549	Choke	.79
A11071	T6594	Output Transf.	2.35

COMPLETE ESSENTIALS KIT

A11118. Consists of all necessary transformers and chokes (as listed above) for building the Thordarson 18 Watt Amplifier. Does not include above Essentials Kit, Foundation Unit, Tubes and Speaker. SEND FOR DETAILED FREE PARTS LIST AND DESCRIPTION. **\$16.70**

COMPLETE PARTS KIT

A11119. All resistors, volume and tone controls, condensers, switches, tube shields, hardware, etc., required for completing the Thordarson 18 Watt Amplifier. Does not include above Essentials Kit, Foundation Unit, Tubes and Speaker. SEND FOR DETAILED FREE PARTS LIST AND DESCRIPTION. **\$12.25**

THORDARSON SOUND MANUAL

Full of valuable data on how to build the new type amplifiers; covers preamplifiers, input and output circuits, etc. **9c**

AUDIO-OUTPUTS-CHOKES

THORDARSON TRANSFORMERS

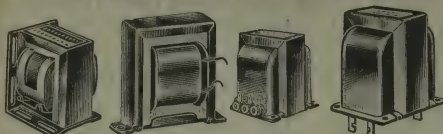


FIG. A Dependable audio units assuring good reproduction at attractive low prices. Universally adaptable for service replacement work.

AUDIO COUPLING TRANSFORMERS

Cat. No.	Type	Fig.	Ratio	Size	List	NET
A11121	R100	A	1-3	2 1/2"x1 1/4"x2"	\$1.75	\$1.03
A11122	T2999	B	1-3	1 1/2"x2 1/2"x2 1/4"	1.75	1.03
A11123	T5736	D	1-3	2 1/2"x2 1/2"x2 1/4"	2.00	1.18
A11124	T5737	B	1-3	2 1/2"x2 1/2"x3"	3.00	1.75
A11125	T5738	C	1-3	2 1/2"x2 1/2"x3"	3.25	1.90
A11126	R300	D	1-3	2 1/2"x2 1/2"x3"	3.50	2.06
A11127	T57574	D	1-2	2 1/2"x2 1/2"x3"	2.50	1.47

PUSH-PULL INPUTS

Cat. No.	Type	Fig.	Ratio	Size	List	NET
A11128	R101	A	1-3	1 1/2"x2 1/2"x3"	\$2.25	\$1.32
A11129	T3391	B	1-3	1 1/2"x2 1/2"x3"	2.00	1.18
A11130	T5739	D	1-3	2 1/2"x2 1/2"x3"	2.25	1.32
A11131	T5740	B	1-3	2 1/2"x2 1/2"x3"	3.25	1.90
A11132	T5741	D	1-3	2 1/2"x2 1/2"x3"	3.50	2.05
A11133	T5742	D	1-3	2 1/2"x2 1/2"x3"	3.25	1.90
A11134	T5743	D	1-3	2 1/2"x2 1/2"x3"	3.25	1.90
A11135	T4304	C	1-3	2 1/2"x2 1/2"x3"	3.75	2.20

*Specially designed primary for power detector.

PUSH-PULL INTERSTAGE

Cat. No.	Type	Fig.	Ratio	Size	List	NET
A11136	T6434	B	1-1.3	2 1/2"x2 1/2"x3"	\$3.50	\$2.05
A11137	T5870	D	1-1.5	2 1/2"x2 1/2"x3"	3.75	2.20
A11138	T6791	B	1-1.5	2 1/2"x2 1/2"x3"	3.50	2.05

*May be used in Class "A" Prime amplifiers where some grid current flows. Not designed for Class "B" use.

OUTPUT TRANSFORMERS

FOR 1 TO 29 OHM VOICE COILS

Cat. No.	Type	Fig.	Primary	Size	List	NET
A11062	T5701	B	Universal for single or P.P. tubes.	2 1/2"x2 1/2"	\$2.00	\$1.18

FOR 6 TO 12 OHM VOICE COILS

A11140	T3399	B	PP45, etc.	2 1/2"x2 1/2"	\$1.60	\$0.94
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FOR 4, 8, 15 OHM VOICE COILS, AND 500 OHM LINE

Cat. No.	Type	Fig.	Primary	Size	List	NET
A11064	T6748	D	PP45, Class "A", or 1-53 Class "B"	3 1/2"x2 1/2"x3"	\$3.50	\$2.05
A11063	T6754	D	PP2A3, Class "AB"	3 1/2"x2 1/2"x3"	4.00	2.35
A11065	T6752	D	2-53's PP parallel Class "B", or 2-46 or 59 Class "B"	3 1/2"x2 1/2"x3"	4.00	2.35

PUSH-PULL OUTPUT CHOKES

Cat. No.	Type	Fig.	MA	Henries	Size	List	NET
A11144	R102	A	20	265	1 1/2"x2 1/2"x3"	\$2.00	\$1.18

PLATE COUPLING CHOKES

Cat. No.	Type	Fig.	MA	Henries	Size	List	NET
A11145	T2927	B	5*	1080	2 1/2"x1 1/2"x2 1/2"	\$1.50	\$0.88
A11146	T5298	D	5	1080	2 1/2"x1 1/2"x2 1/2"	1.75	1.03
A11147	T3746	D	5	510	2 1/2"x2 1/2"x2 1/2"	2.25	1.32
A11148	T6746	B	5	510	2 1/2"x1 1/2"x2 1/2"	2.00	1.18

*For use as plate inductance with 5 G. tubes. Max. cap. 8 MA.

FILTER CHOKES

FILTER CHOSES								
Cat. No.	Type	Fig.	Henries	MA Ohms	Size	List	NET	
A11116	T1892	B	22	35	405	2 1/2"x2 1/2"x2 1/2"	\$1.75	\$1.03
A11149	T4707	B	12	75	290	2 1/2"x2 1/2"x2 1/2"	1.75	1.03
A11150	T6487	B	15	85	375	3 x2 1/2"x2 1/2"	2.00	1.18
A11151	T4753	B	9.5	110	200	3 1/2"x2 1/2"x2 1/2"	2.00	1.18
A11152	T5754	D	9.5	110	200	3 1/2"x2 1/2"x2 1/2"	2.25	1.32
A11153	T17008	D	12	130	231	3 1/2"x2 1/2"x3"	3.25	1.90
A11154	T1700	C	12	130	231	3 1/2"x2 1/2"x3"	3.50	2.05

KNIGHT AC-DC CHOKES

May be used in any 4 or 5 tube midset set. Semi-shielded type with black enameled channel frame. Horizontal mounting. 6" insulated leads. Size, 1 1/2" high, 2 1/2" long, 1 1/2" deep. Mfg. centers, 2 1/2".

Cat. No.	Ohms	NET	Cat. No.	Ohms	NET
A11635	200	\$3.38	A11639	400	\$3.38
A11636	250	4.41	A11640	450	3.37
A11637	300	4.43	A11641	500	3.37
A11638	350	3.37	A11642	550	3.38

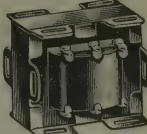
SHIELDED MICROPHONE TRANSFORMERS

A6050. Single button coupling transformer. Turn ratio, 1 to 64; impedance ratio, 1 to 4000. For single button carbon mike to tube input. Fully shielded.

A6051. Two button type. To couple any double button carbon microphone to single grid. Turn ratio, 1 to 45; impedance ratio, 1 to 2000.

NET EACH.....\$1.15

KNIGHT TRANSFORMERS



A compact audio transformer suitable for use in any AC or DC set or amplifier. Supplied with Universal mounting bracket. Size, 2"x2 1/2"x2 1/2". 8 h.p. wt., 2 lbs.

A11644. YOUR PRICE.....75c

UNIVERSAL OUTPUT

Couples practically any power tubes, either single or push-pull to any dynamic or magnetic speaker. With universal mounting bracket. Size, 2"x2 1/2"x2 1/2". Shpg. wt., 2 lbs.

A11645. YOUR PRICE.....75c

UNIVERSAL PUSH-PULL INPUT

May be used to couple any single plate to any combination of single or push-pull tubes. Universal mounting bracket. Size, 2"x2 1/2"x2 1/2". Shpg. wt., 2 lbs.

A11646. YOUR PRICE.....78c

STANDARD AUDIOS

Ideally suited for replacement purposes. Open type construction as illustrated. 3 1/2"x1 1/2"x1 1/2". Mfg. centers, 2 1/2". Shpg. wt., 2 lbs. each.

A11647. 3-1. Straight audio, 1 plate to 1 grid.

A11648. 3-1. Push-pull input, 1 plate to 2 grids.

A11649. 3-1. Push-pull interstage.

2 plates to 2 grids. NET EACH.....75c

UNIVERSAL OUTPUT TRANSFORMER

A heavy-duty, unshielded output transformer for universal application. Will accurately match any single or push-pull output stage to any speaker voice coil. Strap mounting. Size, 2 1/2"x2 1/2"x1 1/2".

A11005. YOUR PRICE.....95c

FILTER CHOKES

Open type construction, with leads. Size 1 1/2"x2"x2 1/2".

A11650. 25 henries at 25 MA. 850 ohms DC resistance.

YOUR PRICE.....68c

A11651. 25 henries at 60 MA. 325 ohms DC resistance.

YOUR PRICE.....65c

A11652. 20 henries at 80 MA. 250 ohms DC resistance.

YOUR PRICE.....85c

A11653. 20 henries at 150 MA. 200 ohms DC resistance.

YOUR PRICE.....94c

A11654. 750 henries at 5 MA. 3500 ohms DC resistance. Plate coupling choke for screen grid detector tube. Has high impedance at audio frequencies. YOUR PRICE.....94c

MICROPHONE TRANSFORMER

Suitable for single or double button microphones. Tapped primary. Open frame type. 1 1/2"x1 1/2"x3". Mfg. center, 2 1/2".

A11655. YOUR PRICE.....68c

SPECIAL AUDIO TRANSFORMERS

Real boys. Well-built and substantial. Open frames.

A11656. 3 to 1 audio. 1 1/2"x1 1/2"x3". Mfg. Cent. 2 1/2".

YOUR PRICE.....62c

A11657. Push-pull input. Open frame type.

1 1/2"x1 1/2"x2 1/2". M.C. 2 1/2". YOUR PRICE.....65c

OUTPUT TRANSFORMERS

To feed into 8 to 15 ohm voice coil. Open frame.

A11658. Single 45, 43, 48, 59, 71A. 1 1/2"x2 1/2"x1 1/2". NET.

A11659. Single 47, 2A5, 49, 42, 33. Size, 1 1/2"x2 1/2"x1 1/2".

YOUR PRICE.....59c

A11660. Push-pull 45, 43, 48, 59, 71A. Size, 2"x1 1/2"x2 1/2".

YOUR PRICE.....75c

A11661. Push-pull 47, 2A5, 49, 42, 33.

Size, 1 1/2"x2 1/2"x1 1/2". YOUR PRICE.....63c

A11662. Push-pull 47, 2A5, 49, 42, 33.

Size, 1 1/2"x2 1/2"x1 1/2". YOUR PRICE.....75c

OUTPUT TRANSFORMERS

Well-designed and substantially built. For operation directly from plates of power tubes into 6 to 10 ohm voice coils of dynamic speakers. Listing below covers both single and push-pull power tubes.

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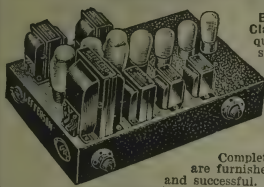
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JEFFERSON 2A3 CLASS "AB" AMPLIFIER KIT



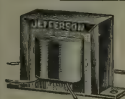
Build the latest type of 15 Watt Class "AB" Amplifier. High quality Jefferson components assure you high gain and excellent fidelity, with a frequency response of 40 to 10,000 cycles within 2 db. The amplifier uses 3-50's and 2-2A3's with an 83 rectifier and a 26 to supply fixed bias. High impedance input permits matching of any input device. Complete instructions and diagrams are furnished to make construction simple and successful.

CHASSIS BASE
A6113. 469-101. Of heavy .049 steel; socket holes drilled. With template. List, \$2.00. **NET...\$1.18**

A6060. 463-391. POWER TRANSFORMER. Pri.—120 V., 50/60 cycles. Sec.—800 or 740 V., at 100 mA.—C.T.; 5 V., at 3 amps.; 1 1/2 V., at 1 amp.; 2 1/2 V., at 9 amps.—C.T. 26 tube supplies fixed bias. Wt., 7 lbs. List, \$5.00. **NET...\$2.94**

INPUT DRIVER
A6061. 467-415. Has two primaries and two secondaries. Ratio 1.75 to 1. List, \$3.00. **NET...\$1.76**

OUTPUT TRANSFORMER
A6062. 467-416. Pri.—3000 ohms, C.T.; Sec.—3, 6, 9, 15, and 500 ohms. Wt., 4 lbs. List, \$4.00. **NET...\$2.35**



Microphone Transformers

Microphone to grid. Single-button types have turn ratio of 1 to 64; double-button type 1 to 45. Flat response, 30-7000 cycles.

A6036. 467-413. Single Button; strap mounting. 2x3 1/2 x 1 3/4". Shpg. wt., 1 1/2 lbs. List, \$1.30. **NET...76c**

A6037. 467-414. Double Button; strap mounting. 2 x 3 1/2 x 1 3/4". Shpg. wt., 1 1/2 lbs. List, \$1.40. **NET...82c**

A6034. 467-261. Shielded type. 2 1/2 x 2 1/2 x 1 3/4". List, \$1.90. **NET...\$1.12**

LINE TO VOICE COIL OUTPUT TRANSFORMER

A high-quality heavy-duty transformer capable of handling up to 12 watts continuously; ideal for P.A. installations. Several of these transformers may be connected in various series or parallel arrangements for coupling a number of speakers to a 500 ohm line. Primary impedance is 1000 ohms, with taps at 500 and 250 ohms, for matching almost any tube. Secondary is 3, 6, 9 and 15 ohms. Size, 4 1/2 x 2 1/2 x 1 1/2". Wt., 3 lbs. List, \$2.95. **YOUR PRICE...\$1.73**



NEW THORDARSON TRU-FIDELITY TRANSFORMERS

The sensational new design of these transformers makes possible the realization of really true fidelity. New high permeability core and special coil construction result in amazing brilliance of reproduction. Completely shielded from external fields and electrostatically shielded between primary and secondary coils. Mounting permits above panel, sub-panel or combination wiring; single hole bushing does away with brackets, and allows for rotation without disturbing wiring. Ideal for replacement and custom-builder's purposes. (Indicates capacitive and inductive balance to center tap, for use on balanced transmission lines.)

LINE OR MIKE TO SINGLE GRID

For coupling a line, microphone or mixer into the grids of push-pull tubes. Primary impedances, 500*-333-250-200*-125 and 50 ohms. Secondary impedances, 75,000 and 18,750 ohms. **A11170. Type T-9000. NET...\$8.53**

LINE OR MIKE TO P. P. GRIDS

For coupling a line or microphone to the grids of push-pull tubes. Primary impedances, 500*-333-250-200*-125 and 50 ohms. Secondary impedances, 75,000 and 37,500 ohms. **A11171. Type T-9011. NET...\$10.88**

LINE OR MIKE TO LINE

Primary Impedance 500*-333-250-200*-125 and 50 ohms. Secondary impedance, 500*-333-250-200*-125 and 50 ohms. **A11172. Type T-9010. NET...\$7.35**

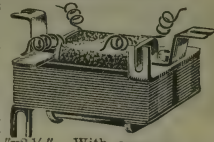
CRYSTAL MIKE OR PHOTO CELL TO LINE

Special high impedance primary. Secondary impedances, 500*-333-250-200*-125 and 50 ohms. **A11173. Type T-9006. NET...\$9.11**

UNIVERSAL AUDIO REPLACEMENT TRANSFORMER

A small, compact audio unit for use in any AC or DC set. Core of high grade silicon steel with accurate machine-wound coil. True Jefferson quality.

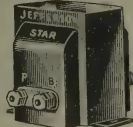
Furnished with two sets of brackets for horizontal or vertical mounting. Low height makes it suitable for sub-base mounting. Ratio, 2 to 1. Popular for set-building and replacement purposes. Size, 1 1/2 x 3 1/2 x 2 1/4". With flexible leads. Shpg. wt., 2 lbs. **A6025. Type 467-164. List, \$1.25. YOUR PRICE**



73c

NEW STAR SEALED TRANSFORMERS

Outstanding values in high quality transformers for use in any set or amplifier, A.C. or D.C. Machine-wound coils for accuracy and uniformity. Laminated core of high silicon steel. Assembled in black enameled sheet steel cases with riveted binding posts. Windings completely shielded and clearly marked. Size, 2 1/2 x 2 1/2 x 2 1/2" high. Mfg. centers 2 1/2". Shpg. wt., 2 lbs. each.



A6030. 467-113. 3 to 1. A6031. 467-116. 5 to 1. List, \$2.00. YOUR PRICE EACH

\$1.18

A6032. 467-117. Push-pull input. (Lugs side) 3-1. A6033. 467-118. Push-pull input. (Lugs bottom) 3-1. List, \$2.10. NET EACH

\$1.23

UNIVERSAL TRANSFORMERS AND CHOKE

Universal in both mounting and application. For use as replacements in all types of sets; universal brackets make mounting easy. Machine-wound, with leads and silvered lugs. Units listed below will take care of replacement needs for every purpose.

467-175 AUDIO

For all A.C. or D.C. sets and amplifiers. Size, 2 1/2 x 2 1/2 x 2 1/2" high. Wt., 2 lbs. **A6026. List, \$2.00. NET**

\$1.17

467-176 OUTPUT

To couple any combination of power tubes, either single or push-pull, to any dynamic or magnetic speaker. Size, 2 1/2 x 2 1/2 x 2 1/2" high. **A6027. List, \$2.00. NET**

\$1.17

467-168 TAPPED INPUT

Will also replace straight audio by not connecting center tap. Size, 2 1/2 x 2 1/2 x 2 1/2" high. Wt., 1 lb. **A6028. List, \$1.60. NET**

94c

466-135 CHOKE

20 Henries at 100 M.A. Resistance 275 ohms. Size, 2 1/2 x 2 1/2 x 1 1/2" high. Wt., 1 1/2 lbs. **A6029. List, \$1.25. NET**

73c

DE LUXE MODEL LINE COUPLING TRANSFORMER

A completely shielded transformer, with lug type terminals. Uniformly flat response curve, and designed to avoid hum or noise pickup. Primary for double-button microphone, with taps for 50, 100, 200 or 500 ohm line. Secondary to couple to either single or push-pull grids. Wt., 3 lbs. **A6130. Type 467-421. List, \$8.00. NET**

\$4.70



AUDIO REACTOR

For parallel feed circuits, etc. Has inductance of 300 Henries at 8 M.A. D.C., or 75 Henries at 16 M.A. D.C. **A11182. Type T-9009. NET...\$5.88**

P. P. PLATES TO P. P. GRIDS

For applications which call for coupling push-pull triode type tubes into push-pull output tubes. Primary impedances, 20,000 and 5,000 ohms. Secondary, 45,000 and 11,250 ohms. **A11178. Type T-9005. NET...\$7.35**

SINGLE PLATE TO SINGLE GRID

Intended for coupling a single triode type tube to another single tube in cascade order. Primary impedances are 10,000 and 2,500 ohms. Secondary impedances, 40,000 and 10,000 ohms. **A11176. Type T-9003. NET...\$5.88**

SINGLE PLATE TO P. P. GRIDS

Couples a single triode type tube to push-pull tubes. Primary impedances, 10,000 and 2,500 ohms. Secondary impedances, 160,000 and 40,000 ohms. **A11177. Type T-9004. NET...\$6.76**

LINE TO VOICE COIL

A11181. Type T-9012. Line to voice coil of dynamic speakers. Primary impedances, 500*-333-250-200*-125 and 50 ohms. Secondary, 1.25-3.75-5-7.5-10 and 15 ohms.

P. P. POWER TUBES TO LINE

A11179. Type T-9007. Primary 5,000-3,000-1,250 and 750 ohms. Secondary impedances 500*-333-250-200*-125 and 50 ohms.

P. P. POWER TUBES TO V. COIL

A11180. Type T-9008. Similar to T-9007, but has secondary impedances of 1.25-3.75-5-7.5-10 and 15 ohms.

SINGLE TUBE TO LINE

A11174. Type T-9002. For coupling single triodes 664, 6C6, 6J7, etc., to a line or mixer. Primary impedances, 20,000 and 5,000 ohms. Secondary impedances, 500*-333-250-200*-125 and 50 ohms.

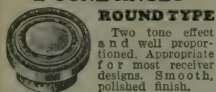
PUSH-PULL TUBES TO LINE

A11175. Type T-9001. P. P. triodes to line. Primary impedances, 20,000 and 5,000 ohms. Secondary impedances, 500*-333-250-200*-125 and 50 ohms.

YOUR PRICE EACH OF ABOVE...\$8.53

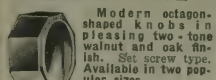
KNOB DIALS • REMOTE CONTROLS

HIGH GRADE BAKELITE KNOBS 2 TONE KNOBS



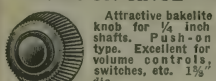
ROUND TYPE
Two tone effect and well proportioned. Appropriate for most receiver designs. Smooth, polished finish.
A6206. 1 1/4" Dia.
A6207. 1 1/2" Dia.
10 Lots, 55c. EACH... **6c**

OCTAGON TYPE



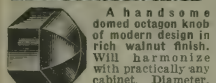
Modern octagon-shaped knobs in pleasing two-tone walnut and oak finish. Set screw type. Available in two popular sizes.
A6210. 1 1/4" Dia.
A6209. 1 1/2" Dia.
10 Lots, 55c. EACH... **6c**

PUSH-ON KNOB



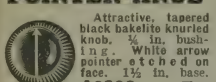
Attractive bakelite knob for 1/4 inch shafts. Push-on type. Excellent for volume controls, switches, etc. 1 1/2" dia.
A2914. NET EACH... **4c**
LOTS OF 10... **30c**

NEW OCTAGON KNOB



A handsome faceted octagon knob of modern design in rich walnut finish. Will harmonize with practically any cabinet. Diameter, 7/8". For standard 1/4" shaft. Set-screw mounting.
A2917. Lots of 10, 40c. YOUR PRICE EACH... **5c**

POINTER KNOB

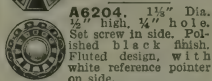


Attractive, tapered black bakelite knurled knob. 3/4 in. bushing. White arrow pointer etched on face. 1 1/2 in. base.
A6208. **5c**
NET EACH
LOTS OF 10... **40c**

MODERNISTIC TYPES

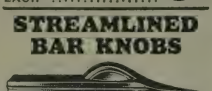
A6202. 1 1/4" across including flange. 3/4" high. 3/4" hole. Set screw in side. Modernistic design.
A6203. 1 1/4" Dia. 3/4" hole. 3/4" high. Octagon, Pyramid Top. Walnut finish. Set screw in side.
A6204. 1 1/4" Dia. 3/4" high. 3/4" hole. Set screw in side. Polished black finish. Fluted design, with white reference pointer on side.

A6205. 1 1/4" Dia. 3/4" hole. Octagon Flat Type. Walnut finish. Set screw in side. An attractive knob.
10 for 45c. YOUR PRICE EACH... **6c**



A6206. 1 1/4" Dia. 3/4" hole. Octagon Flat Type. Walnut finish. Set screw in side. An attractive knob.
10 for 45c. YOUR PRICE EACH... **6c**

STREAMLINED BAR KNOBS



New gracefully tapered pointer type knobs. Designed especially for test instruments. Give a professional appearance to any apparatus. With white pin-line indicator. 2 1/2 inch shafts.

Black or brown finish.
A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

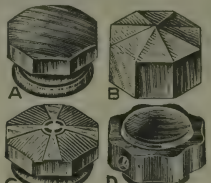
A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

A6646. Black, 1 1/4" Dia.
A6647. Brown, 1 1/4" Dia.
D02. \$1.00. YOUR PRICE EACH... **9c**

A6648. Black, 2 1/4" Dia.
A6649. Brown, 2 1/4" Dia.
D02. \$1.10. YOUR PRICE EACH... **10c**

WALNUT AND MAPLE KNOBS

Genuine wood knobs, beautifully made and finished. For 1/4" shafts. Brass bushing inset, with side set screw.



No.	Fig.	Width	Wood
A3765	A	3/4"	Walnut
A3766	B	3/4"	Maple
A3767	B	3/4"	Walnut

PRICE EACH... **8c**
PER 10... **70c**

No.	Fig.	Width	Wood
A3768	A	1"	Walnut
A3769	A	1 1/4"	Walnut
A3770	B	1"	Maple
A3771	C	1"	Walnut
A3772	C	1"	Walnut
A3773	(Plain Top)	1"	Walnut
A3763	D	1 1/4"	Walnut
A3764	D	1 1/4"	Walnut

YOUR PRICE EACH... **9c**
PER 10... **76c**

A3768. A 1" Walnut
A3769. A 1 1/4" Walnut
A3770. B 1" Maple
A3771. C 1" Walnut
A3772. C 1" Walnut
A3773. (Plain Top) 1" Walnut
A3763. D 1 1/4" Walnut
A3764. D 1 1/4" Walnut
YOUR PRICE EACH... **9c**
PER 10... **76c**

ETCHED METAL DIAL

PLATES

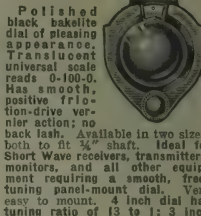
Attractive black dial plates with etched aluminum figures. Suitable for use on amplifier panels, etc. Measure 2 1/4" high x 1 1/4" wide. For 300° rotation.

A4100.	"Record," 0-10.
A4101.	"Microphone," 0-10.
A4102.	"Gain," 0-10.
A4103.	"Tone," 0-10.
A4104.	"Master Gain," 0-10.
A4105.	Plain. 0-10.

YOUR PRICE EACH PLATE... **12c**

KURZ KASCH VERNIER DIAL

Polished black bakelite dial of pleasing appearance. Translucent universal scale reads 0-100-0. Has smooth, positive friction-drive vernier action; no backlash. Available in two sizes, both to fit 1/4" shaft. Ideal for Short Wave receivers, transmitters, monitors, and all other equipment requiring smooth, frustration-free tuning panel-mount dial. Very easy to mount. 4 inch dial has tuning ratio of 13 to 1; 3 inch size has 9 to 1 ratio. Wt., either size, 4 oz.



A6201. 4 inch Dial. YOUR PRICE... **45c**
A6200. 3 inch Dial. YOUR PRICE... **38c**

DRUM TYPE DIAL

Smooth, positive-acting drum dial with translucent calibrated scale. Ratio 3 1/2 to 1. Fits 3/4" shaft. With pilot light socket and escutcheon.
A4186. 0-100. Clockwise.
A4187. Counter-clockwise.
NET EACH... **98c**

ROUND TYPE SWITCH PLATES

Attractive round toggle-switch plates, finished in etched aluminum with black background. Dia. 1 1/4".
A4166. "MICROPHONE"
A4167. "OFF-ON"
YOUR PRICE EACH PLATE... **7c**

AUTO RADIO REMOTE CONTROLS AND ACCESSORIES

UNDER DASH TYPE REMOTE CONTROL



A new remote control tuning unit. Arranged for mounting under the dash of practically any car. Presents a very pleasing appearance. Has pyramid scale, neatly calibrated 0-100 with modernistic streamlined pointer. Unbreakable non-inflammable Cro-plastic crystal protects scale and pointer. Equipped with new auto-type bayonet-base pilot light socket, and new 1 candle-power pilot light. For tuning condenser having 6 to 2 ratio. With 18" pilot lead, Black Tenite knobs, all necessary screws and lock-washers, but less cables.
A4109. YOUR PRICE... **\$2.23**

STEERING COLUMN TYPE

Same control head as above, but with steering column clamp; less dash brackets.
A4110. YOUR PRICE... **\$2.29**

We can supply either of the above controls for condenser ratios of 8 to 1, 10 to 1, 12 to 1, and 16 to 1, relative to 300° condenser rotation. Send deposit with order, stating which ratio is wanted.

GEAR REDUCTION UNIT 6 TO 1 RATIO



For use with any condenser not equipped with reduction gear. Has double-driven gear and anti-backlash spring. Drive shaft is 1/2" in diameter.
A4111. For 1/4" shaft.
A4108. For 3/4" shaft. EACH... **35c**

FLEXIBLE-SHAFT COUPLING

For connecting flexible shaft to condenser, volume or tone control, etc. Fits 1/4" solid shaft; accepts "C" type shaft ends shown below.
A4112. NET... **21c**

FLEXIBLE CASING BRACKET

For fastening flexible cable casing to outside of auto radio, providing secure, firm anchorage.
A4113. YOUR PRICE... **21c**

REMOTE CONTROL CABLES

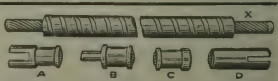
Flexible shafts and casings, 10' long, equipped with end fittings as listed below.
A3298. 2-X ends. **A3294.** 1-B, 1-X.
A3290. 2-A ends. **A3295.** 1-A, 1-C.
A3291. 1-B ends. **A3296.** 1-B, 1-C.
A3292. 1-A, 1-B. **A3297.** 1-B, 1-D.
A3293. 1-A, 1-X. (Philo) **47c**
YOUR PRICE, EACH FITTED CABLE...

COMPLETE REMOTE CONTROL ASSEMBLY



A complete remote control kit. Contains: 1-Remote Control Head (as described at left of page); 2-18" flexible cables, each fitted with 1 "B" end and 1 "C" end (see below); 2-flexible-shaft couplings; and 2-casing brackets. With steering-column type control head.
A3298. YOUR PRICE... **\$4.07**

A3299. Same as above, but with bracket for under-dash mounting. YOUR PRICE... **\$4.01**



We can supply on special order, cable lengths and fittings not listed. When ordering, send sample or drawing, and give make and model of set. Send deposit with order.

ARRANGED BY: PILOT LIGHTS-DIAL CABLES

GENUINE EVEREADY MAZDA PILOT LIGHT BULBS

Genuine Eveready Mazda pilot light bulbs. Famous for quality and dependable long life. These lamps are made to operate from the voltages indicated. Excellent for all pilot lamp requirements. Will give long continuous service. Suitable for all standard radio sets and devices. Wt. 1 oz.



STOCK No.	Lamp No.	Volts	Amps.	PRICE EACH	PER 10
A1250	41	2.5	.50	9c	\$0.54
A1251	42	3.2	.35	12c	.72
A1253	40	6.3	15	9c	.54
A1254	Spec.	2.0	.06	20c	1.20
A1255	44	6.3	.25	9c	.54
A1256	46	6.3	.25	9c	.54

*Indicates miniature bayonet base.

SPECIAL BULB FOR RCA-VICTOR RE32

S11. A 115 volt bulb with intermediate base: special for RCA-VICTOR RE32. 10 watt. A6449. NET EACH..... 20c

PILOT LIGHT SOCKETS



Various pilot light sockets for all radio requirements. High quality construction. Carefully assembled with silver-plated lugs for easy soldering. Spring contact in the socket holds lamp firmly in place. These sockets may be mounted in different positions. Use these sockets for all pilot light requirements. Used extensively by many high grade radio manufacturers. Wt. 1 oz.
A6380. Type A. EACH. 5c
A6381. Type B. EACH. 5c
A6382. Type C. EACH. 5c
A6383. Type D. Bayonet Shell Type. 5c
A6378. Similar to type D, but mounting clip reversed. 5c
10 Lots, 42c.
100 Lots, \$3.70. NET EACH..... 5c

JEWELLED

Pilot Light Brackets

A very popular pilot light bracket, with a red jewel window. The socket mounted on the bracket takes regular pilot bulbs. Requires a single hole mounting. Ideal for use as indicators on power amplifiers, relay racks, test instruments, etc. Lets you know when equipment is in operation. Complete with jewel.
A6393. YOUR PRICE..... 16c

JEWELS FOR PILOT LIGHTS

Attractive colored jewels with mounting nuts for panel use. Use these quality jewels for all visual light indicators. Easy to mount on panels up to 1/4 inch thickness. Requires 2 1/2 holes, 3/4 inch thread, 3/8" long.
A6384. Red. 10c
A6385. Green. 10c
A6386. Amber. 10c
YOUR PRICE, EACH..... 10c

DIAL LITE COLORING KIT

Easily applied permanent colors, enabling you to satisfy the demand for colored pilot and dial light bulbs. Kit contains one bottle each: Green, Blue, Red and Brown; with a bottle of solvent for cleaning bulbs.
A2998. NET PER KIT..... 29c

GRADED SILK DIAL CORD

Durable dial cable made of pure Japanese silk, with water-proof finish. Flexible, non-kinking. Every service kit should carry a length of this superior dial cord. Easy to install.
No. Length NET
A6080 5 ft. \$0.22
A6081 25 ft. .80
A6082 50 ft. 1.60
A6083 100 ft. 2.75

3 1/4" Modernistic DIAL

A very attractive modernistic square type airplane dial. Positive friction drive will not slip. Handsome escutcheon has beautiful bronze finish to harmonize with any panel.



DIAL SCALE 26 TO 1
Dial face carries 2 scales, calibrated 0-100. A tuning ratio of 26:1 assures sharp, easy tuning. For 1/2" shaft. Shpg. wt. 1 lb.
A4170. 0-100 CLOCKWISE.
A4171. 100-0 COUNTER-CLOCKWISE. NET EACH..... 97c

SPEAKER TYPE DIAL

A neat, compact 2 1/2" airplane dial for mounting in speaker mount-in on midjet receivers. Dial bracket mounts on 5" midjet speaker frame. Driven from condenser shaft by means of linen cord with take-up spring and 1/4" shaft collar. Two scales calibrated 0-100.
A4168. 0-100 CLOCKWISE.
A4169. 100-0 COUNTER-CLOCKWISE. NET EACH..... 68c

4 INCH AIRPLANE DIAL

A high quality translucent dial with two scales, calibrated 0-100. Positive friction drive will not slip. Tuning ratio 13 to 1, giving smooth, easy tuning. Dial pointer travels with condenser. To fit 1/2" shaft. Complete with escutcheon.
A4172. 0-100 CLOCKWISE.
A4173. 100-0 COUNTER-CLOCKWISE. NET EACH..... \$1.09

Crowe De Luxe Micromaster

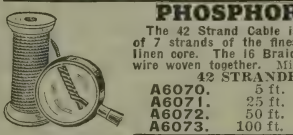
A brand new MICRO-MASTER dial combining extremely beautiful appearance with exceptionally fine tuning. Glass protected peach and brown pyralis scale is calibrated 0-100. Two speed planetary drive has slow-tuning ratio of 100 to 1 and fast ratio of about 18 to 1. Secondary pointer makes about 36 revolutions to 1 of the main pointer. Complete with 5/8" x 3/8" bronze escutcheon, two brown knobs, and 3 pilot light sockets.
A3752. 0-100 CLOCKWISE. NET EACH..... \$5.88
A3753. 100-0 COUNTER-CLOCKWISE. NET EACH..... \$5.88

2 SPEED PLANETARY DRIVE

To be used as auxiliary speed reducer on many controls. Mounts on condenser, back of panel, or on knob shaft of dial. Slow ratio 1 to 1, and fast ratio 1 to 1. Requires two knobs. Fits 1/2" shaft.
A3756. YOUR PRICE..... 88c

Knobs for Planetary Drives

For drive unit listed above. Large knob 3/4" high and 1 1/2" diam; small one fits 3/4" slow speed shaft.
A3757. Walnut. 12c
A3758. Black. PAIR. 12c



PHOSPHOR BRONZE DIAL CABLE

The 42 Strand Cable is made up of 6 individual cables each consisting of 7 strands of the finest grade of phosphor bronze wire around central linen core. The 16 Braided Cable is made up of 16 strands of fine bronze wire woven together. Minimum stretch.

26 STRANDED		16 BRAIDED		NET
A6070.	5 ft.	A6074.	5 ft.	6c
A6071.	25 ft.	A6075.	25 ft.	22c
A6072.	50 ft.	A6076.	50 ft.	36c
A6073.	100 ft.	A6077.	100 ft.	60c

EXACT DUPLICATE DRIVE CABLE-BANDS-BELTS

Stock No.	Model	NET	Stock No.	Model	NET
A6085.	30	15c	A6093.	40s, 60s, 80s	18c
A6086.	32	15c	A6094.	60s, 80s, 100s	21c
A6087.	35	15c		Majestic	
A6088.	44	24c	A6095.	No. 1-70, 71, 72	12c
A6089.	46	15c	A6096.	No. 2-70, 71, 72	9c
A6090.	55	15c	A6097.	25, 60	15c
	Columbia		A6103.	180	15c
A6092.	All	31c		Phileo	
	Brushwick		A6098.	All	13c
A6104.	514, 21, 31	15c			
A6105.	15, 22 Front	15c	A6099.	16, 17, 18, 33	15c
A6106.	15, 22 Rear	24c	A6101.	80, 82, 86	21c

3 1/8" AIRPLANE DIAL

A positive action, smooth tuning dial of popular size. Dual translucent scale is protected by convex glass bezel. Tuning ratio, 9 to 1. Pointer travels with condenser. Supplied with 2 pilot light socket and escutcheon. Fits 1/2" condenser shaft. Shpg. wt. 1 lb.
A4188. 0-100 CLOCKWISE.
A4189. 100-0 COUNTER-CLOCKWISE. NET EACH..... 79c

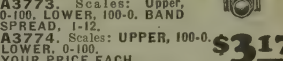


5 1/2" AIRPLANE DIAL

A large handsome dial of striking appearance. Glass protected pyralis face carries two scales each calibrated 0-100. Dual pointer travels with condenser. The tuning ratio is about 10 1/2 to 1. Supplied with 2 pilot light sockets and bronze escutcheon. For 3/4" shaft use fitting on Page 8, 2 lbs.
A4177. 0-100 CLOCKWISE.
A4178. 100-0 COUNTER-CLOCKWISE. NET EACH..... \$1.47

Crowe Micromaster Bandsread Dial

A beautiful modern dial for All-Wave or Short-Wave Receivers. Two-speed planetary drive provides a slow speed of 44 to 1 and a fast speed of 9 to 1. "Second hand" pointer ratio is 16 to 1. 3/8" diameter dial scale, protected by glass bezel, in bronze escutcheon.
A3773. Scales: Upper, 0-100, LOWER, 100-0. BAND SPREAD, 1-12.
A3774. Scales: UPPER, 100-0, LOWER, 0-100. YOUR PRICE EACH..... \$3.17



DIRECT DRIVE FULL VISION DIAL

Very compact, smooth-acting full vision dial. Comes complete with pilot light socket and escutcheon. Translucent scale, calibrated 0-100. Fits 3/4" shaft.
A4184. 0-100, COUNTER-CLOCKWISE. NET EACH..... 38c
A4185. 100-0, COUNTER-CLOCKWISE. NET EACH..... 38c

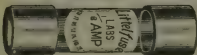
2 1/2" AIRPLANE DIAL

A smooth, positive-action friction-drive dial, with a tuning ratio of 5 1/2 to 1. With translucent scale, protected by convex glass bezel. With escutcheon and single pilot light socket. Fits 3/4" shaft.
A4175. 0-100 CLOCKWISE.
A4176. 100-0 COUNTER-CLOCKWISE. NET EACH..... 69c



FUSES • FUSE CLIPS • HARDWARE

LITTLE FUSES



Designed especially for the protection of delicate test instruments. Littlefuses are so constructed as to break the circuit long before the equipment is harmed. Widely used. 1" long. 4" wide. May be used on A.C. or D.C. Fuse is glass enclosed. Protect all your equipment with Littlefuses.

Stock	Amps.	Load	PRICE
No.	Rating	M.A.	EACH PER DOZ.
A6230	1/100	10 .12	
A6231	1/30	25 .12	
A6232	1/16	60 .12	\$1.32
Low Res. .12			
A6233	1/8	100 .09	
A6234	1/4	200 .09	PER DOZ.
A6236	3/8	300 .09	
A6237	1/2	400 .09	\$1.00
A6238	3/4	600 .09	
A6239	1	1000 .06	
A6240	2	2000 .06	65c

FOR RADIO AND AMPLIFIER USE

For use in 105-120 volt primary line. Underwriters approved. 1 1/4" long. 3/4" diameter.

No.	Amps.	Volts	EACH	DOZ.
A6242	1	250	.05	
A6243	1 1/2	250	.05	
A6244	2	250	.05	
A6245	3	250	.05	
A6246	4	500	.09	
A6247	5	500	.09	
A6248	6	500	.09	\$1.00
A6249	8	500	.09	

LITTLE FUSE MOUNTINGS

Black moulded bakelite. Tinned terminals. 1 1/4" x 3/4" x 3/8" in. For instrument Littlefuses. Single hole mount.

A6250	PER DOZ.	98c.	EACH.....	9c
A6251	Panel type mounting.	PER DOZ.	1.30.	
EACH.....				12c
A6255	For mounting on blinding post back of meter.	1" x 1 1/4" x 3/8"		
PER DOZ.	1.30.	EACH.....		12c

METAL COVERED FUSE MOUNTINGS

Metal-covered 3AG fuse mounting, designed especially for the tube set. Meets Underwriters' requirements. Cadmium-plated parts; bakelite base. Size, 2 1/4" x 1 1/4" has 6-32 mounting screws at 3/4" inch centers.

A6257.	PER DOZ.	1.30.	Each.....	12c
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Fuse Clips

Single hole mount for small auto or radio tubing fuses.

A6253.	EACH.....	2c
PER DOZ.	20c	

FUSE RETAINER

Cadmium-plated separable metal container for fusing a line. Used extensively for auto sets. Takes 1/2" or 1 1/4" fuse. Also suitable for aerial connector. Separates easily.

A6252.	EACH.....	8c
PER DOZ.	85c	

MUELLER BATTERY CLIPS



Strong channel construction. No solder required. For screw or lug connections. 5 and 10 amp. types cadmium-plated; balance lead-coated steel.

MESH TEETH TYPE	A6500.	1 1/2 in. long.	5 amps.	No. 45.	7 lb. spring.
NET EACH.	4c.				
Box of 10.....					29c
A6501.	2 in. long.	10 amps.	No. 48B.	10 lb. spring.	
NET EACH.	5c.				
Box of 10.....					33c

GRIP



TEETH TYPE	A6502.	2 1/4 in. long.	25 amps.	No. 24A.	17 lb. spring.
NET EACH.	8c.				
Box of 10.....					
A6503.	3 in. long.	50 amps.	No. 21A.	33 lb. spring.	
NET EACH.	16c.				\$1.29
Box of 10.....					
A6504.	5 1/2 in. long.	100 amps.	No. 11A.	38 lb. spring.	
NET EACH.....					35c

Solid Copper Clips

For H.F. work. Non-ferrous.

A6460.	Type 4-C.	1 1/4" long.			
NET EACH.	10c.				
BOX OF 10.....					70c

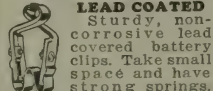
MUELLER ALLIGATOR CLIPS



Small clips with slender elongated jaws. Have screw terminals; with barrel ends to fit banana plugs. Less insulators. A6477. Clip only. Box of 10. 40c. 100 Lots, \$3.88.

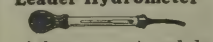
EACH.....		5c
Colored rubber insulators for above clips. Will not slip off. In red or black.		
A6478. RED.		
A6479. BLACK.		
YOUR PRICE, EACH.....		4c
Box of 10.....		28c
100 Lots.....		\$2.50
(Pkd. 1/2 RED. and 1/2 BLACK.)		

BATTERY CLIPS



A6505.	15 amp.	10 lot <td>29c</td>	29c
A6506.	25 amp.	10 lots <td>42c.</td>	42c.
A6507.	50 amp.	10 lots <td>85c.</td>	85c.
A6508.	85c.	10 lots <td>85c.</td>	85c.

Leader Hydrometer



A large, accurate and dependable hydrometer. Beaded float. Bulb of live, resilient rubber. Shpg. wt. 1 lb. A3971. Retail Value, \$1.50. **28c** NET.....

We can supply all types of radio hardware. Write to us, describing your needs, stating size, etc., and we shall be glad to ship what you want promptly, at the lowest prices.

Fibre Washer Assortment

A large variety of shouldered and plain fibre washers. Very useful. 100 in box.

A2913.	NET, PER BOX.....	24c
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SERVICEMAN'S HARDWARE KIT

A practical kit of radio hardware to meet all construction and service shop needs. Kit contains: 2 gross assorted machine screws; 2 gross assorted soldering lugs; 1 gross washers; 1 gross hex nuts; 2 dozen knurled nuts; 50 feet bell wire; 2 feet rosin-core solder. Shpg. wt. 1 lb. **A2910. 89c** SPECIAL PRICE.....

SOLDERING LUGS



Tin coated.	No.	Style	PER BOX OF 100.
A2080.	Style 1.		
A2081.	Style 2.		
A2082.	Style 3.		
A2083.	Style 4.		
A2084.	Style 5.		18c

BRACKET ASSORTMENT

Consists of 28 popular-sized angles and brackets for radio work. Nickel-plated brass. Wt. 1 lb. **A2077. NET PER SET. 24c**

HEXAGONAL NUTS

Standard 3/8" nuts. Of cadmium-plated steel. Shpg. wt. 1 lb. **A2005. 6-32. 18c** **A2006. 8-32. 18c** PER 100.....

SCREW ASSORTMENTS

For all radio service and set-building needs. Each kit contains 85, 6-32 screws from 3/8" to 1 inch long. Shpg. wt. 1/2 lb. **A2911. No. 1 Kit. 85 round-head screws. 23c** **A2912. No. 2 Kit. 85 flat-head screws. 23c** PER PRICE, EACH KIT.....

LUG SCREWS

For mounting shield cans, etc. Cadmium-plated; 6-32 thread. Shpg. wt. 1 lb. **PER 100.....37c** **PER 10.....5c** NET.....

RUBBER GROMMETS

For insulating holes in metal chassis plates and other electrical parts. Tough, strong vulcanized rubber. For metal stock about 1/4 in. thick.

Stock	Fits Inside	No.	Hole Diam.	Per Doz.
A2911.	1/4"		3/8"	9c
A2919	1/2"		5/8"	19c
A2920	3/4"		1"	21c

MACHINE SCREWS CADMIUM PLATED



STEEL SCREWS

Standard thread. good quality. Buy in gross lots and save money. 1 Gross in Each Box

6-32 ROUND HEAD	No.	Length	Gross
A7010	1"	1/2"	18c
A7011	1 1/4"	3/4"	20c
A7012	1 1/2"	7/8"	20c
A7013	1 3/4"	1"	26c
A7014	1 7/8"	1 1/8"	26c
A7015	2"	1 1/4"	33c
A7016	2 1/4"	1 1/2"	33c
A7017	2 1/2"	1 3/4"	70c

8-32 ROUND HEAD

A7019	1 1/4"	23c
A7020	1 1/2"	28c
A7021	1 3/4"	28c
A7022	1 7/8"	47c

Metal Tapping Screws

Designed for joining and fastening light sheet metal sheets not heavier than No. 16 gauge. Cut their own threads as they are turned in with screw driver. Uniformly hardened, round head, flange point type.

SIZE 6	Stock No.	Per Gross	SIZE 8	Stock No.	Per Gross
A7035	30c	1/4"	A7041	34c	
A7036	32c	3/8"	A7042	36c	
A7037	35c	1/2"	A7043	38c	
A7038	37c	5/8"	A7044	40c	
A7039	40c	3/4"			

ORNAMENTAL HEAD SCREWS

Rosette head; statuary bronze finish. Size 6-32 (No. 1) head 1/4" diameter.

No.	Length	Doz.
A7000	3/4"	8c
A7001	1"	9c
A7002	1 1/4"	10c

GRILL CLOTH

Speaker grill cloth of finest tapestry material. Pleasingly designed of interwoven black and gold. For use behind speaker grills. Specify size. Furnished only in 1, 2 or 3 foot widths, any length. **A2916. NET. 18c** PER SQ. FT.....

Switch Points and Stops

Solid brass. Heavily nickel-plated with 3/4 in. x 6-32 nut. Switch points. Switch stops. **A2052. 8c** **A2053. 8c** PER DOZ.....

TUBULAR FUSES

Type 3AG. Size, 1 1/4 in. x 3/4 in. Protect radio sets, test instruments, etc.

No.	Amp.	No.	Amp.
A6010	1	A6016	10
A6011	1 1/2	A6017	15
A6012	2	A6018	20
A6013	3	A6019	25
A6014	4	A6020	30
Box of 5.....			1.45
PER HUNDRED.....			\$2.65

Fractional Sizes

		Box of
A6020.	$\frac{1}{2}$ Amp.	65
A6021.	$\frac{1}{4}$ Amp.	45
A6022.	$\frac{1}{2}$ Amp.	45
A6023.	$\frac{1}{4}$ Amp.	30

SOLDERING IRONS and ACCESSORIES

KNIGHT SOLDERING IRON



55 WATT MODEL

A well-designed high quality KNIGHT 55 watt iron suitable for every service use. Has a dependable, quick-heating wire-wound element in a ceramic tube. Heats up quickly and stays hot. Two types of tips are supplied with the iron to handle all work from fine soldering to the tinning of chassis bases. Tips are $\frac{3}{8}$ and $\frac{5}{16}$ inch in diameter, $\frac{1}{2}$ inches long. The well-shaped handle remains cool even when iron is continuously used. Equipped with 5 ft. heater cord and rubber plug. Two tips included. This KNIGHT iron is an outstanding value at our price.

A2005
YOUR SPECIAL PRICE

COMPLETE WITH TWO SCREW-ON TIPS

65c

100 WATT KNIGHT SOLDERING IRON

A high quality all-purpose iron. Has $\frac{3}{8}$ inch diameter removable (screw-on) copper tip. With black insulated handle and 6 foot heater cord.

A7635. YOUR SPECIAL PRICE

97c

KESTER QUALITY SOLDER ROSIN-ACID-ALUMINUM



Three types of solder compounded of the highest grades of tin and lead available. Flux filling assures perfect permanent joints free from corrosion. Widely used by Servicemen. A Class "A" Solder, the finest that can be bought.

Acid Core

Of purest virgin metal with properly prepared acid flux core.

A6175. 56c

1 Lb. Spool...

A6176. 15c

Per Tin

Rosin Core

Kester Solder with pure plastic rosin core flux.

A6177. 56c

1 Lb. Spool...

A6178. 15c

Per Tin

Aluminum

A flux-filled Solder that will absolutely solder Aluminum.

A6179. \$1.80

1 Pound Spool

A6180. 17c

Per Tin

KESTER SOLDERING PASTE

A new improved soldering paste. Does a clean, non-corrosive job of soldering. Excellent for radio work.

A6181. 10 FOR \$1.05.

PER TIN

12c



Vasco Soldering Iron



A new easy-to-handle iron in two popular sizes. Excellent for all radio work. Metal parts are chromium-plated. Special shielding fins separate the heating element from the handle, acting as a baffle to keep the handle cool at all times. Has removable $\frac{3}{8}$ inch tip. Equipped with cord and soft rubber plug. Underwriters Approved. Shpg. wt., 1 lb.

A2200. 70 WATT SIZE.

YOUR PRICE

\$2.65

ICA QUALITY SOLDERING IRONS



A new, practical soldering iron, well-designed and properly built. Heating element is of the highest quality resistance wire, wound on heat resisting bobbin of machined and threaded insulux. Will heat in three minutes. Handle remains cool even after the iron has been on for hours. Plunger type tip is easily removed for cleaning or replacement. A heavy set screw keeps tip firmly in place, and provides for adjustment of tip length. With cord and plug.

A5520. 60 WATT. Developed for radio work. Shpg. wt., 2 lbs.

List \$3.50. YOUR PRICE

\$1.89

Jackson Soldering Irons



A high grade line of electric soldering irons. Elements are wound on amber mica insulation over steel core. Available with plunger tips or with removable screw tips. All types are supplied with 6 foot cords. Shpg. wt., $\frac{1}{2}$ lbs., each.

WITH PLUNGER TYPE TIP

A6000. 75 Watt. With $\frac{5}{16}$ " copper rod tip with set screw. Nickel-plated tube. YOUR PRICE

\$1.65

A6001. 100 Watt. With $\frac{3}{8}$ " copper tip. $\frac{1}{2}$ " long, with removable black handle. YOUR PRICE

\$2.20

A6002. 150 Watt. With $\frac{7}{16}$ " copper tip with set screw. $\frac{1}{2}$ " long. YOUR PRICE

\$3.45

WITH REMOVABLE SCREW TIP

A6003. 75 Watt. With $\frac{7}{16}$ " removable copper tip. $\frac{1}{2}$ " long. Nickel-plated tube. YOUR PRICE

\$1.15

100 WATT VASCO IRON

A heavier, larger iron than the 70 watt size above. Has all of the features of the smaller iron, but may also be used for heavier work. Length overall, 12 $\frac{1}{2}$ " x $\frac{3}{4}$ "

A2202. YOUR PRICE

\$4.23

American Beauty Soldering Irons



A2000. Type 3133. Adapted for production work on radio, ignition, telephone, etc. 100 Watt; 16 oz.; length 12 $\frac{1}{2}$ "; tip dia. $\frac{3}{8}$ ". With 6 foot cord. Wt., $\frac{1}{2}$ lbs.

YOUR PRICE

\$5.85

A2001. Type S-78. Light and compact. Heats quickly. Screw type removable tip. 50 Watt. 6 oz.; length 11 $\frac{1}{2}$ "; chisel point tip $\frac{7}{16}$ ". With 6 foot cord. List, \$4.50. YOUR PRICE

YOUR PRICE

\$3.45

TIPS FOR AMERICAN BEAUTY IRONS

A2002. Extra $\frac{3}{8}$ " tip for Type 3133 iron. NET

39c

A2003. Extra tip for Type S-78 Soldering Iron. NET

21c

"Hot Spot" 75 Watt Iron

An inexpensive, well-built soldering iron ideal for practically all jobs. Approved by Underwriters' Laboratories. Supplied with $\frac{1}{2}$ " removable tip. Complete with cord and plug.

A2201. YOUR SPECIAL PRICE

\$1.32



SOLDERING IRON TIPS

High quality replacement plunger type copper tips in popular sizes. Replace your old tips with these sturdy new units and make your old soldering iron as good as new again.

No. SIZE NET EA.

A5997. $\frac{3}{8}$ "x2 $\frac{1}{2}$ " 20c

A5998. $\frac{5}{16}$ "x1 $\frac{1}{2}$ " 30c

A5999. $\frac{3}{8}$ "x3 $\frac{1}{2}$ " 30c

7 INCH SOLDERING IRON HOLDER



A sturdy, well-built soldering iron holder measuring 7 inches long. Useful in the shop, lab., or on service calls. Prevents scarring or burned surfaces.

A2206. YOUR PRICE

12c

GARDINER RADIO SOLDER

ROSIN CORE



A new rosin-core solder especially developed for delicate electrical and radio work. Pure rosin-core flux assures freedom from corrosion. Makes dependable lasting joints. Can hold 3 to 4 oz.

A6184. 1 Lb.

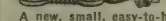
SPOOL ... 47c

A6183. PER CAN

12c

MAGIC STYLUS

SOLDERING PENCIL



A new, small, easy-to-handle soldering tool, ideal for soldering small parts in hard-to-get-at corners. Heats quickly. Insulated handle with cork finger guard provides cool handling always. Tip is easily removed for cleaning or replacement. Supplied with 5 ft. cord. Underwriters' Approved.

A6150. 110 VOLT A.C. OR D.C.

A6151. 6 VOLT D.C. (Storage Battery).

NET EACH

72c

MARVEL ELECTRIC SOLDERING IRON

A neat, compact soldering iron of high quality construction. Wide acceptance and great volume production make our remarkable low price possible. This iron should be in every serviceman's kit. 10 inches long. For 110 volt A.C. or D.C. operation. Ideal for all radio work. Easy to use; retains heat efficiently.



PORCELAIN INSULATED ELEMENT UNDERWRITERS' APPROVED CORD

This quality iron has a Nichrome wire element, mounted in a twin sleeve porcelain tube. Equipped with a good quality copper tip, 2 inches long. With brown finished stay-cool handle and 3 foot Underwriters' approved flexible cord. A well-balanced unit. Suitable for general radio and light soldering work. A value that is unbeatable. Dealers: Buy these irons in quantities for fast turnover and larger profits. A real fast-moving soldering iron value.

A5199

DOZEN LOTS

\$3.05

YOUR PRICE

EACH

28c

BLOW TORCHES-PLIERS-SCREWDRIVERS-

POPULAR LENK BLOW TORCHES

DUO-DUTY BLOWTORCH



MODEL 350
A substantially built, heavy-duty alcohol blowtorch. Ideal for all heavy soldering jobs. Has double burner: one for needle-point flame, and one attachment for heavy, intense flame. The full-grip handle remains cool at all times. Filter screen in jet keeps orifice from plugging; cleaning pin is kept conveniently in handle. Shpg. wt., 2 lbs.

A6225.
List, \$3.75. **\$2.20**
SPECIAL.

HI-HEAT BLOWTORCH

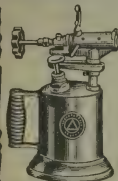


This heavy-duty blow torch assures perfect results. Features flame control, shut-off valve, and non-clogging burner. Fool-proof in design and construction; self-cleaning type. Will not lose pressure or fuel. Generates quickly from asbestos-filled drip-cup. Produces a 2000° F. flame. The tank is of heavy gauge seamless drawn brass, with funnel shaped bottom for easy filling. Height 7 1/2 inches; diameter at base 3 inches. A real quality blow torch suitable for all work. Two models are available, either for alcohol or for gasoline fuel.

A6224. Type 104. Uses gasoline. List, \$1.75. **\$1.03**
YOUR PRICE.

A6223. Type 105. Uses alcohol. List, \$2.00. **\$1.18**
YOUR PRICE.

MODEL 145 BLOWTORCH



A new sturdy built gasoline torch for all heavy soldering jobs. Special burner gives maximum efficiency and hot blue flame; new needle-valve design prevents enlargement of orifice. Pump is completely enclosed and leak-proof. Tank is constructed of seamless brass and holds a quart of fuel. Has heat-resisting Bakelite valve wheel. Shpg. wt., 4 1/2 lbs.

A6229.
YOUR PRICE. **\$3.25**

A6214. Type 144. A handy gasoline torch for light-duty work. Has top-filling heavy brass tank. Sprayed bronze finish. Bakelite valve wheel. Is efficient burner and safety-pump. Capacity, one quart. **\$2.65**
Wt. 4 lbs. NET.

MODEL 24 BLOW TORCH

Entirely automatic in operation. Uses alcohol for fuel. Has copper heat conductor for quick generation of gas. Made of nickel-plated brass. Solid leakproof base. Ideal for shop use. Handy size, 5 1/2 x 2 1/2 x 1 inches.

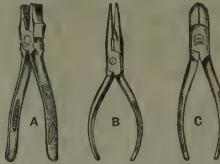
A6221.
PRICE. **69c**

IMP GASOLINE HAND TORCH

Entirely automatic gasoline hand torch. Flame temperature is over 2000°. No pumping or blowing necessary. Ideal for use where a fusing or brazing heat is desired.

A6226.
List, \$1.00. **59c**
NET.

KRAEUTER PLIERS



Known everywhere; used everywhere. Perfectly made of quality materials. Scientifically heat-treated and hardened. Popular types are listed below. Equipped with famous "Don't-Slip" handles. Will give life-time service. Cutting surfaces are designed to clip a great number of materials without nicking. American-made.

A7806. Type B. 6 Inch Needle-Nose Side Cutter. **94c**
YOUR PRICE.

A7807. Type A. 6 1/2 Inch Electrician's Type. **\$1.05**
YOUR PRICE.

A7808. Type C. 4 1/2 Inch Diagonal Cutters. **\$1.10**
YOUR PRICE.

A7805. Type C. 5 1/2 Inch Diagonal Cutters. **\$1.20**
YOUR PRICE.

RADIO PLIERS

Well-made handy pliers for radio and electrical work. Made of fully-polished forged tool steel. Diagonal cutting type (5 1/2" long) has hardened and tempered cutters with knurled gun-metal finish handles. Thin nose type (6" long) are nickel-plated. Stoutly built to give lasting service. Excellent tool values.

A7800. Diagonal Cutting Pliers. **33c**
A7801. Thin Nose Type. **33c**
YOUR PRICE EACH.

SPECIAL LONG NOSE SIDE-CUTTING PLIERS



High quality pliers carefully made of hardened forged steel. Knives are well-fitted, and are ground to make a clean, easy cut. 5 inches long. Particularly useful in radio construction and repair work. A quality tool at a low price.

A7802.
YOUR PRICE. **39c**

New Multiplex Tool

A handy, indispensable tool with 101 uses. Useful as a small screwdriver or pliers; does many other jobs, such as holding small pieces for soldering or for assembling. Does a quick job of starting screws and nuts in hard-to-get-at places. No serviceman or experimenter should be without this tool.

A1644.
YOUR PRICE. **\$1.32**

FRICTION TAPE

Made of good quality fabric impregnated with adhesive rubber compound. With high insulation qualities. Made especially for radio and electrical work. Easy to apply; will not dry out.

A1270. 2 oz. roll. NET. **5c**
A1271. 4 oz. roll. NET. **8c**
A1272. 8 oz. roll. NET. **15c**

SCOTCH ELECTRIC TAPE

A neutral paper backing, touch-sensitive adhesive. Will adhere to any surface, smooth or irregular.

A1266.
YOUR PRICE, 10 Yard Roll. **29c**

GRIP POINT UTILITY SCREWDRIVERS

Easy To Use Shock proof, with ribbed points.

Revolving tongue engages screw slot and holds screw firmly. Instantly released or locked by a slight movement of the thumb. Length, 9 3/4" overall. No. For Screw Sizes
A2591. 4-14" EACH. **62c**
A2592. 1/4-1/2" EACH. **51c**
PER SET OF 2. **\$1.15**

NON-SKID SCREWDRIVER

Shock proof, with ribbed points.

Handy fountain pen style with clip.
A2583. 3-inch blade. **14c**
NET.
A2582. 2-inch blade. **12c**
NET.
A2581. 1 1/2-inch blade. **10c**
NET.

NEW SUPER-GRIP SCREWDRIVERS

Forged chrome-vanadium alloy steel blades, accurately ground to fit screw slot, with genuine hammer-proof Amburite handles.

A2574. 3 INCH BLADE. **34c**
YOUR PRICE.
A2575. 6 INCH BLADE. **43c**
YOUR PRICE.
A2576. 8 INCH BLADE. **52c**
YOUR PRICE.

HANDY SCREW-DRIVER KIT

A popular kit of three screwdrivers in the most useful sizes. Comes in convenient leatherette holder for shop wall mounting. Each screwdriver has insulated handle and finger guard. Blades measure 5 1/2", 3 1/4", 2 3/8".
A5186. **38c**
NET PER SET.

INSULATED BLADE SCREWDRIVER

A 5 inch chrome-vanadium alloy screwdriver with attractive mottled red and black composition handle, designed to give a comfortable, sure grip. High quality steel blade is insulated almost its entire length; withstands 10,000 volts.

A2577. YOUR PRICE. **17c**

FLEXIBLE SHAFT SCREWDRIVER

Here is a screwdriver that will eliminate a lot of skinned knuckles. Special flexible shaft allows its use in many awkward places where another screwdriver couldn't reach. Has insulated movable screw locator, fluted molded handle. 8 3/4" long overall.
A2578. **88c**
YOUR PRICE.

HANDY POCKET TOOL CASE

A high grade, two partition case that you can carry in your hip pocket. Will hold a great number of small tools. Made of genuine leather, double sewed, with snap-on flap. Saves wear and tear on your pockets.
A1643. **59c**
YOUR PRICE.

END WRENCH SET

A handy little wrench set with innumerable uses around the shop or home. Wrenches stamped from high grade steel, properly hardened for long service. Cadmium-plated; cannot rust. Wrenches are 3/8", 1/2", 5/8", and 3/4" with alligator jaw.
A2078. Complete set of 3 wrenches. NET. **10c**

Quality TOOLS for Every Purpose

CIRCLE CUTTERS



Designed to cut large holes accurately and quickly. May be used in slow-speed drill press or hand-brace. Ideal for radio set-builders, servicemen, carpenters, plumbers, sheet metal workers, etc. Type No. 5 is designed for heavy-duty work; Type No. 2 is a standard cutter; Junior type is for light work on softer materials. These tools may be used for cutting holes in wood, bakelite, hard rubber, tin, sheet metal, etc. Fully adjustable. Sturdily constructed for long service. An invaluable tool for the shop. Attractively priced.

A5180. No. 2. Cuts holes 1 to 4 inches in diameter. **NET.....\$1.10**

A5181. JUNIOR. Cuts holes 1/2 to 2 1/2 inches in diameter. **NET.....78c**



A5182. No. 5. Cuts holes 1 to 2 inches in diameter. Square shank. **YOUR PRICE.....\$1.88**

A5184. Extra cutters for No. 2 and No. 5 tools. **NET EACH.....24c**

SPIN-TYPE SOCKET WRENCHES



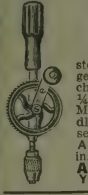
A complete selection of high grade hexagonal socket wrenches for every radio requirement. Sockets are of hardened tool steel designed to grip surely. Shanks are of heavy steel with ribbed wood handles, easy to grasp and using into tight places. Sizes listed below will handle all standard nut sizes used in radio work. Order a complete set of these American-made tools.

Nut Size	6" Straight	NET EACH	9" Straight	NET EACH	6" Offset Type	NET EACH
3/4 inch	A2055		A2062		A2069	
7/8 inch	A2056		A2063		A2070	
1 inch	A2057		A2064		A2071	
1 1/8 inch	A2058		A2065		A2072	
1 1/4 inch	A2059	10°	A2066	12°	A2073	12°
1 1/2 inch	A2060		A2067		A2074	

Per Set of Six53c

A complete selection of high grade hexagonal socket wrenches for every radio requirement. Sockets are of hardened tool steel designed to grip surely. Shanks are of heavy steel with ribbed wood handles, easy to grasp and using into tight places. Sizes listed below will handle all standard nut sizes used in radio work. Order a complete set of these American-made tools.

Goodell-Pratt HAND DRILL



Highly serviceable with solid steel frame and single speed, cut gears. Equipped with three-jawed chuck holding any size drill up to 3/4". Large gear, red enameled. Mahogany finished hardwood handle. Solidly built to give good service. A rare value in a good American-made tool. Length, 10 1/2 in. Shpg. wt., 3 lbs.

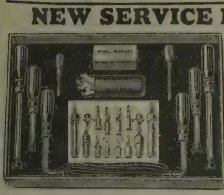
A5185. **YOUR PRICE.....74°**



Assorted Drill Set

A real value. High quality twist drill set containing the popular sizes necessary for radio and other work. Set consists of 9 carbon steel drills ranging from 1/16 to 3/16 sizes in 1/16 inch size graduation. American-made.

A7720. **NET.....81c**



NEW SERVICE KIT

A complete testing and servicing kit. Includes the following: Kit of insulated red and black testing leads consisting of 2 long prod handles, 2 short prod handles, 2 phone tips, 2 alligator clips, 6 ft. red and black flexible wire, 2 insulated screwdrivers (1 1/2" and 2 1/2") for neutralizing, etc.; 6 socket wrenches (2 1/2", 2 3/4", 2 offset type); hardware kit (tips, jacks, grid caps); leather kit of 3 open end wrenches, 3 in 1 neutralizing tool, and compensating screwdriver.

A2107. List, \$5.50. **NET.....\$2.85**



PISTOL GRIP HACKSAW

A real bargain in a fine American-made tool. The handle is made of wood, shaped for easy gripping, very sturdy, and highly polished. The heavy, rigid frame is fully nickel-plated and is adjustable to accommodate all blades from 8 in. to 12 in. size. Complete with 8 in. blade.

A7722. **YOUR PRICE.....42c**

QUALITY HACKSAW BLADES

Flexible blades of special alloy steel, heat-treated to produce toughness. Teeth case-hardened, set and filed. 24 teeth per inch.

A7724. 8" BLADE. **YOUR COST, PER DOZEN.....32c**

A7725. 10" BLADE. **YOUR COST, PER DOZEN.....38c**

A7726. 12" BLADE. **YOUR COST, PER DOZEN.....43c**

SOCKET AND CONDENSER PUNCHES



Punches clean round holes in sheet metal (chassis bases, panels, etc.). Easy to use, saves time. Made of highest grade hardened steel to give lasting service. Types below will easily punch holes for mounting sockets, condensers, coils, etc. 1/2 inch punch cuts through without drilling to make accurate clean guide holes for other punches. These punch sets are all American-made tools and will prove invaluable to radio builders and servicemen.

A1649. For 1/2" Holes. **YOUR PRICE.....\$1.06**

A1645. For 13/16" Holes. **YOUR PRICE.....\$1.69**

A1646. For 1 1/4" Holes. **YOUR PRICE.....\$1.69**

A1647. For 1 1/2" Holes. **YOUR PRICE.....\$1.69**

A1648. For 1 3/4" Holes. **YOUR PRICE.....\$1.69**

List, \$3.00. **SET OF 6 PUNCHES.....\$7.50**

RADIO REAMER

A handy tool. Enlarge holes to desired size. Works well with bakelite or hard rubber. Wt., 6 oz.

A2584. **YOUR PRICE.....17c**

MORRIS COIL WINDER

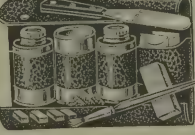


This improved universal coil-winding machine will wind Honeycomb, Spahr, Web, Solenoid coils, etc., in different widths and diameters and will handle wire of different gauges. Makes precision coils that equal factory accuracy. Has recorder with adjustable pointer for counting number of turns. An ideal machine for the experimenter or small factory. Will pay for itself quickly. Shpg. wt., 1 lbs.

A9302. List Price, \$7.50. **YOUR PRICE.....\$4.35**

This improved universal coil-winding machine will wind Honeycomb, Spahr, Web, Solenoid coils, etc., in different widths and diameters and will handle wire of different gauges. Makes precision coils that equal factory accuracy. Has recorder with adjustable pointer for counting number of turns. An ideal machine for the experimenter or small factory. Will pay for itself quickly. Shpg. wt., 1 lbs.

THE RCA CABINET REFINISHING KIT



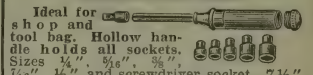
You can repair scratched, dented, or marred furniture with this new kit. Contained in a compact, portable leatherette case, 9 1/2 x 4 1/2 x 2 1/2 inches. Contains: 1 can Refco (cleaning oil); 1 can of Valvoline for rubbing; 1 assortment sandpaper; 1 assortment stain shellac; 1 package aniline stain powders; 1 touch-up brush; 1 spatula; 1 rubbing block; 1 instruction sheet. Shpg. wt., 5 lbs.

A7618. COMPLETE RCA **\$2.90**

REFINISHING KIT. **NET.....**

You can repair scratched, dented, or marred furniture with this new kit. Contained in a compact, portable leatherette case, 9 1/2 x 4 1/2 x 2 1/2 inches. Contains: 1 can Refco (cleaning oil); 1 can of Valvoline for rubbing; 1 assortment sandpaper; 1 assortment stain shellac; 1 package aniline stain powders; 1 touch-up brush; 1 spatula; 1 rubbing block; 1 instruction sheet. Shpg. wt., 5 lbs.

HOLLOW HANDLE WRENCH SET



Ideal for shop and tool bag. Hollow handle holds all sockets. Sizes 1/4", 3/8", 1/2", 5/8", 3/4", 1 inch and screwdriver socket. 7 1/2" long. Handle heavily knurled for good gripping surface. White nickel finish.

A5183. **YOUR PRICE.....43c**

LOCK-SOCKET WRENCH SET AND SCREWDRIVER



A set of 9 sockets in assorted sizes to handle hex, square and round nuts. Consists of 1-1/4" hex socket mounted on 3/4" straight extension; 5 hex sockets in 1/4", 5/16", 3/8", 1/2", 5/8" sizes; 2 square sockets in 1/2" and 5/8" sizes; 1 round nut socket, 1 "L" shape extension, 4" long and 1 screwdriver wrench handle. Patented locking device holds tools firmly to handle. American-made.

A5516. **YOUR PRICE.....85c**

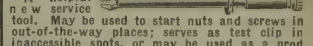
SOCKET WRENCH SET AMERICAN-MADE



A set of five detachable sockets of fine wrought steel. Complete with wrench handle. In popular sizes, 1/4", 5/16", 3/8", 1/2" and 5/8".

A2585. **YOUR PRICE.....37c**

MUELLER SNAPPER

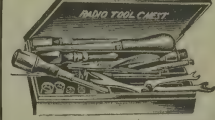


A helpful new service tool. May be used to start nuts and screws in out-of-the-way places; serves as test clip in inaccessible spots, or may be used as a pressure contact. Consists of universal clip mounted in a long insulated tube. Push-button on the top opens and closes clip.

A6433. RED. **YOUR PRICE.....49c**

A6434. BLACK. **YOUR PRICE.....49c**

RADIO TOOL CHEST

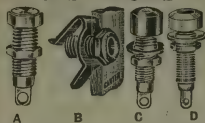


A practical, inexpensive tool chest. Contains 10 practical tools, ideally suited for the serviceman and set builder. Each tool of sturdy construction. Comprises those tools which are constantly in need: 3 and 5 inch screw drivers, scriber, reamer, countersink, pliers, center-punch, socket wrench sets for hexagon and knurled nuts, and 3 wrenches for hexagon nuts from 1/4 to 1 1/2 in. Wt., 9 lbs. American-made.

A2580. **YOUR PRICE.....\$2.25**

JACKS • PLUGS • CLIPS • CONNECTORS

TIP JACKS



A2026. Fig. A. Nickel-plated tip jacks requiring a minimum of panel mounting space. Bronze spring grip phone or speaker cord tips firmly for positive connection. Requires only $\frac{1}{4}$ " mounting hole. Will fit panels up to $\frac{3}{8}$ " thick. Wt., 2 g.
Per Doz., 29c. **3c**

A2025. Fig. B. Heavy spring contact with positive action. Short, compact type for limited space. Requires $\frac{1}{4}$ " mounting hole. Will fit panels up to $\frac{1}{4}$ " thick. Full nickel-plated.
Per Doz., 30c. **3c**

INSULATED TYPE

New type sure grip contacts for smooth positive action. Insulated head and shoulder washer. Ideal for use on metal chassis or panels for headphone or speaker output, or for test equipment.

A2032. FIG. C. RED. 100 Lots, \$4.55. **6c**

Banana Plug or Tip Jack
FIG. D. A new insulated jack arranged to take either standard phone tips, or the new popular banana type plugs. Insulated head and shoulder washer. $\frac{1}{4}$ " mtg.
A2036. RED. EACH, **8c**
A2037. BLACK. EACH, **8c**
100 Lots, \$6.50.

Yaxley Colored Tip Jacks

2 in a package. Bakelite caps, one red, one black. Insulated type. Fits $\frac{1}{8}$ " in. hole. Spring contact with solder lug connections. Takes standard cord tip.
AG305. Per set of 2. **15c**
List, 25c. NET.

IMP PLUGS



A2027. FIG. A. A midset plug with screw-on solderless connection. Fits all standard tip jacks.
Per Doz., 40c. **4c**
100 Lots, \$3.00. NET EACH

INSULATED TYPE
A2044. FIG. B. RED. 100 Lots, \$4.25. **5c**

CORD TIPS



FIG. A. Practical new design. Hole in side allows a quick and easy connection to be made; just insert wire and apply solder to hole.
A2030. Per 100, 72c **8c**
A2031. Per 10, 10c

FIG. B. Standard size tip, $\frac{1}{4}$ " long. Solderless screw-on connection. Made of nickel-finished brass.
Per 100, \$5.50. **3c**

A2040. FIG. C. Standard nickel-plated brass cord tips: will fit any regular tip jack.
A2028. Per 100, 50c **6c**
A2029. Per 10, 10c

ALLIGATOR TEST CLIPS



Long, thin-nosed clips, easy to get into tight places. Handy for all test instruments. Back of clip fits all banana plugs. Strong spring grip.

A2041. FIG. A. 2" long. Per Doz., 38c. **4c**
NET EACH

A2038. FIG. A. 2 3/4" long. Per Doz., 54c. **5c**
100 Lots, \$4.25. NET EACH

INSULATED TYPE
A2042. RED. 100 Lots, \$4.25. **7c**

A2043. BLACK. 100 Lots, 80c. EACH. **7c**

FIG. B. 3 1/4" long. **A2098.** RED. 100 Lots, \$4.25. **10c**
A2099. BLACK. 100 Lots, \$4.25. **10c**

BANANA PLUGS AND JACKS



A2048. FIG. A. New type plug, with tinned spring-brass plug-in prong. Ideal for use with any test equipment. $\frac{1}{4}$ " long. Per Doz., 55c. **4c**
100 Lots, \$2.95. EACH

A2049. FIG. B. Nickel-plated brass jack to fit above plug. Complete with lug and nut. $\frac{3}{8}$ " long. Per Doz., 39c. **4c**
100 Lots, \$2.95. EACH

PLUGS JACKS
FIG. C. RED. FIG. D. BLACK
A2044 A2046
A2045 A2047
Per 100 Asst., \$4.35. **6c**
Per 10 Asst., 48c. NET EACH

SPLIT TYPE BANANA PLUGS



FIG. A. New type plug with split prong, giving much tighter contact between plug and jack. Will stand up under much heavier service than any other plug.
A2124. Doz., 38c. **4c**
Per 100 Asst., \$2.95. NET EACH

INSULATED TYPE
A2125. RED. FIG. B. **8c**
A2126. BLACK. FIG. B. Doz., 55c. EACH

BABY BANANA PLUGS AND JACKS



A new small banana plug and jack, made especially for coil mountings. Made of hard brass, nickel-plated.
A2127. PLUG. Per Doz., 40c **4c**
Per 100, \$3.15. NET EACH

A2128. JACK. Per Doz., 40c. **4c**
Per 100, \$3.15. NET EACH

INSULATED TYPE
PLUGS Color JACKS
A2129 RED A2131
A2130 BLACK A2132
Per Doz., 59c. **6c**
100 Lots, \$4.55. NET EACH

TWIN JACKS



LAMINATED TYPE
FIG. A. Of laminated bakelite construction, with sure-grip contact springs. Easy to mount. Ideal for headphones, phonograph or speaker connections. 2" long x $\frac{1}{2}$ " wide.
A4061. SPEAKER. **6c**
A4062. PHONO. **6c**
A4063. PLAIN. **6c**
10 FOR 55c. EACH

TRIPLE TIP JACKS
Laminated bakelite. For microphones, speakers, etc.
A4068. Plain. **9c**
10 FOR 52c. EACH

MOLDED TWIN JACKS
FIG. B. Of molded bakelite; attractive, durable, 2 1/2" x 1 1/2" x 1 1/2".

A4064. Speaker. EACH **15c**
A4065. Phone. **15c**
A4066. Plain. **15c**

SHORTING TYPE

Particularly designed for use in point-to-point analyzers. Circuit automatically closes when cord tips are removed. Single mounting screw. Similar construction to above.
A6303. YOUR PRICE. **18c**

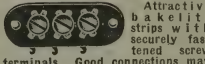
MOUNTING STRIPS



Handy insulated strips to support resistors, junction connections, etc., on metal chassis to prevent grounding and shorting.

NO. LUGS EACH TEN
A2655 2 3c 22c
A2656 3 3c 22c
A2657 4 5c 40c
A2658 5 5c 45c
A2659 6 5c 45c

TERMINAL STRIPS



Attractive bakelite strips with securely fastened screw terminals. Good connections may be made quickly. The special lugs prevent wire from slipping out when tightening the screw. Mounting holes are provided at ends of strip for easy fastening. Ideal for amplifiers, radio sets, etc.

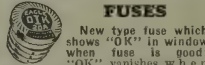
No. Term Each TEN
A2135 2 9c \$0.81
A2136 3 12c 1.08
A2137 4 12c 1.08
A2138 5 19c 1.71
A2139 6 23c 2.07

Fahnestock Connectors



Makes connections by holding wire firmly in spring grip.
A2150. Single, 1 1/2" long. **11c**
NET PER DOZ.
A2151. Single, 3/4" long. **10c**
NET PER DOZ.
A2152. Double, 1 1/4" long. **26c**
NET PER DOZ.
A2153. Double, 1 1/2" long. **25c**
NET PER DOZ.

EAGLE INDICATING FUSES



New type fuse which shows "OK" in window when fuse is good; "OK" vanishes when fuse blows.
A3998. 10 Amp. 5 FOR **20c**
A3999. 15 Amp. **20c**
A3997. 20 Amp. **20c**
A3998. 25 Amp. **20c**
A3999. 30 Amp. **20c**

COMBINATION BINDING POST

The top section of this binding post will receive any standard banana type plug; screw part will take phone tip or wire. Non-removable top.
A2140. RED. **7c**
A2141. BLACK. **7c**
Doz., 80c. EACH

EBY ENSIGN BINDING POSTS

Insulated posts with non-removable engraved tops. Dia. 3/16". Screw is 6-32, 3/4" long.
A4050. Ant. **12c**
A4051. Gnd. **12c**
A4052. Input. **12c**
A4053. Output. **12c**
A4054. +. **12c**
A4055. -. **12c**
List, 20c. NET EACH **12c**
PER DOZ. **\$1.35**

EBY TWIN BINDING POSTS

Consists of standard Ant. and Gnd. Eby posts mounted on laminated or moulded bakelite strips. 2 in. long, 1/2 in. wide. Insulated posts.
A4058. Moulded bakelite strip. **21c**
List, 35c. NET. **21c**
A4059. Laminated bakelite strip. **14c**
List, 25c. NET. **14c**

COMBINATION GRID CAP

New type reversible cap designed to fit both standard glass tubes and new metal tubes. 11" leads have standard phone lugs.
A2147. Red. **12c**
A2148. Black. **12c**
NET EACH

INSULATED GRID CAPS

Well-made spring clips. Colored composition insulation. Have 7/16 inch wire leads. Make sure contact.

STANDARD For 866 TUBE
A2050. RED. A2075. RED. A2076. BLACK.
A2051. RED. A2077. BLACK.
PER DOZ. 65c. NET EACH **8c**

GRID CLIPS



Sure contact spring clips. Type A is for standard tubes; Type B is for new metal tubes.
A2079. Type A. **1c**
A2080. Type B. **1c**
NET EACH **1c**
12 FOR **8c**

Triple A. C. Extension

Handy triple electrical outlet. Of live rubber. With 10 foot cord. Special plug provides added outlet.
A3422. **48c**

Rubber Handle Cap

Unbreakable soft rubber attachment plug caps. Firm brass blades. Approved type.
A3978. NET. **35c**

Sockets • Plugs • Connectors



Shielded Cable Connectors



Exceptionally rugged construction. Insulated steel cap snaps over Clip-Tite socket (or plug); provides perfect electrical shielding. Has rubber grommet in front to protect cable. Long contacts assure perfect connection. Black japan finish. Diameter 1 1/4"; only 1 1/4" long.

Male Connectors

No.	Prongs	NET EACH
A1630	4	
A1631	5	
A1632	6	15c
A1633	7S	
10 FOR		\$1.35

Female Connectors

No.	Prongs	NET EACH
A1635	4	
A1636	5	
A1637	6	15c
A1638	7S	
10 FOR		\$1.35

LOCKING TYPE METAL SLEEVES

Cadmium-plated steel shells; designed to slip over connectors and screw together. Ideal for public address use.

A1640. Set, 2 pcs. **15c**

CHASSIS TYPE
Same design as type listed above, except that the female section has a flange to fit under a Clip-Tite socket, when mounted on a chassis. Provides a locked connection.

A1988. Set of 2 pieces. **15c**

RUBBER PLUG HANDLE

A heavy rubber plug handle designed to fit snugly over the shielded cable connectors, male and female, listed above. Made of tough, flexible rubber.

A1989. EACH. **9c**

OCTAL CONNECTORS CHASSIS TYPE

The 8 contact plug incorporated in these new octal connectors follows the principle of the new 8 prong metal tube bases. For mounting in 1 1/2" chassis hole.

A1990. Male, 8 prongs and guide key.

A1991. Female, 8 holes and center keyed guide hole. **35c**

NET EACH.....

CABLE TYPE



MALE CONNECTOR
A male octal cable connector carrying metal shell and coupling ring.

A1992. EACH..... **73c**

FEMALE CONNECTOR

An 8 hole octal unit for receiving above male unit. Carries coupling threads.

A1993. EACH..... **73c**

New Clip-Tite Bakelite Socket



A new type sturdy socket made of molded bakelite, with long contacts which grip the tube prongs firmly. May be mounted in any position. Each socket is mounted in a special universal adapter plate, which enables you to replace any wafer socket, regardless of mounting centers.

No. Prongs EACH

A2015 4 **7c**

A2016 5

A2017 6

A2018 7 medium 10 IOTS

A2019 7 small **65c**

A2020. Combination 7 Medium and 7 Small.

NET EACH..... **9c**

8 Prong Octal Socket

A new molded bakelite socket of same construction as above, to fit new octal base tubes.

A2021. 10 lots. **85c.**

YOUR PRICE EACH..... **9c**

NEW CLIP-TITE STEATITE SOCKETS

The ideal socket for short wave receivers and transmitters. New low-loss design of glazed steatite. With special universal mounting plate.

No. Prongs EACH PER 10

A1995 4 **24c** \$2.25

A1996 5

A1997 6 **29c** \$2.75

A1998 7S

A1999 7M

A1994 8 Octal

BAKELITE MALE CONNECTOR PLUG

A sturdy, heat 2 piece molded bakelite connector plug for speaker connections, etc.

No. Prongs

A1836 4 **15c**

A1837 5

A1838 6 EACH

A1839 7M

A1840 7S

A1841 8 (Octal)

TWO PIECE CONNECTORS



Connectors of two piece molded bakelite construction. Sure grip handles; sturdy contacts and pins. Ideal for microphone or speaker plugs, etc.

Male Connectors

No. Prongs

A1807 4 **18c**

A1808 5

A1809 6

A1810 7M

A1811 7S

A1806 8 (Octal)

Female Connectors

No. Prongs

A1813 4 **24c**

A1814 5

A1815 6

A1816 7M

A1817 7S

A1818 8 (Octal)

SUB-PANEL SOCKETS

Laminated bakelite construction. Sturdy and reliable. Top entirely insulated. Full floating contacts, self-aligning, and of one piece construction for low resistance connection. Sturdily made for enduring service. Each socket has tube locating ring for quick tube insertion.



STANDARD SIZE

1 1/2" Mounting Centers

No. Prongs EACH PER 10

A4020 4 **5c** 45c

A4021 5

A4022 6

A4023 7M

A4024 7S

MIDGET SIZE

1 1/4" Mounting Centers

No. Prongs EACH PER 10

A4026 4 **5c** 45c

A4027 5

A4028 6

A4029 7M

A4030 7S

NEW OCTAL SOCKET

A new small size socket of wafer construction designed to accommodate all of the new octal base tube types. A single socket will fit all metal, metal-glass and octal base glass tubes having 4, 5, 6, 7 or 8 prongs. 1 1/2" mounting centers.

A4099. 10 FOR 55c.

YOUR PRICE EACH..... **6c**

NEW ALDEN "TUNING FORK" CONTACT SOCKETS



New type molded bakelite sockets for test equipment use. Silver plated floating "tuning fork" contacts assure long life, even under severe use. Mount above or below panel. 1 1/2" mounting centers.

No. Prongs

A1690 4 EACH PER 10

A1691 5

A1692 6 **24c** \$2.30

A1693 7M

A1694 7S

A1695 8 Octal

EAR TYPE SOCKETS

A small size molded bakelite socket with ears for mounting under panel or chassis. Especially suitable for use in test instruments. 1 1/2" inch mounting centers.

No. Prongs NET EACH

A1785 4 **15c**

A1786 5

A1787 6 10 FOR

A1788 7M

A1789 7S **14c**

COMPOSITE TYPE

Composite panel mount sockets for modernizing test instruments.

No. Prongs NET EACH

A1795 4-5-6

A1796 5-7-8

A1797 7M-7S

A1798 5-6-7S **29c**

10 FOR..... **\$2.75**

HEAVY DUTY RUBBER HANDLE PLUGS

Molded bakelite plugs and sockets mounted in pliable unbreakable rubber handles. These plugs and sockets prevent wire breakage, handles are 2 1/2" long.

MALE PLUGS

No. Prongs NET EACH

A4035 4 **15c**

A4036 5

A4037 6

A4039 7S

FEMALE SOCKETS

No. Prongs

A4040 4 **23c**

A4041 5

A4042 6

A4043 7M

A4044 7S

EBY BAKELITE SOCKETS



One-piece molded black bakelite construction. Suitable either for baseboard or sub-panel mounting. Sturdy contact guides. 1 1/2" mounting centers.

No. Prongs EACH PER 10

A4000 4 **15c** \$1.40

A4001 5

A4002 6

A4003 5 and 6 **22c** 2.10

A4004 7M & 6

A4005 7M(1.855)

A4006 8 Octal

Base..... **25c** 2.40

EBY COMPACT SOCKETS

Molded bakelite sockets for sub-panel mounting. Base of socket is laminated bakelite plate. Mounting centers 1 1/2".

No. Prongs EACH PER 10

A4007 4 **12c** \$1.15

A4008 5

A4009 6 **15c** 1.35

A4010 7S

A4011 7M

A4012 8 Octal..... **18c** 1.65

EBY ISOLANTITE SOCKETS

Ideal for H.F. use. Large positive contacts. Oval holes for 1 1/2" mounting.

No. Prongs EACH PER 10

A4015 4 **29c** \$2.85

A4016 5

A4017 6 **32c** 3.10

A4018 7M

A4019 8 Octal..... **35c** 3.40

BASE MOUNT SOCKETS

A molded bakelite socket for panel or baseboard mounting. Rugged contacts will withstand severe usage.

1 7/8" diameter, with nickel-plated knurled binding posts. Ideal for experimental use.

No. Prongs EACH PER 10

A1801 5 **21c** \$1.95

A1802 6

A1803 7M

A1804 7S

A1805 8 (Octal). Each. **44c**

Quality

H & H Toggle

Switches

Underwriters approved; rated at 3 amps.—125 V., 1 amp.—250 V. Oxidized bronze finish. Threaded stem, 15/32" dia. Spliced with two lock-nuts. Have fibre insulation and solder lug connections. For sets, meters, lamps, etc.



SINGLE POLE SINGLE THROW (2 LUGS)

No.	Stem	NET
A5450.	3/4 in.	19c
A5451.	1 in.	22c
A5452.	1 1/4 in.	25c

SINGLE POLE DOUBLE THROW (3 LUGS)

A5453.	3/4 in.	22c
A5454.	1 in.	25c
A5455.	1 1/4 in.	28c

DOUBLE POLE SINGLE THROW (4 LUGS)

A5456.	3/4 in.	26c
A5457.	1 in.	29c
A5458.	1 1/4 in.	30c

DOUBLE POLE DOUBLE THROW (6 LUGS)

A5459.	3/4 in.	39c
A5460.	1 in.	43c
A5461.	1 1/4 in.	45c

TOGGLE SWITCH PLATE

An inexpensive "on" and "off" toggle switch plate. May be used with any standard panel type toggle switch. Finished in statutory bronze, 15/32" hole.

A5467.	NET EACH.	4c
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H & H ROTARY SWITCHES

Positive contact rotary type power switches rated at 3 amps.—125 V., 1 amp.—250 V. Steel enclosed. Shaft 3/8" long, 3/4" dia. 3/4" threaded stems for panel mounting. Supplied with lock-nuts. Underwriters approved.

A5462. Single Pole, Single Throw, 2 contacts. NET.

A5463. Single Pole, Double Throw, 3 contacts. NET.

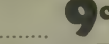
A5464. Double Pole, Single Throw, 4 contacts. NET.

A5465. Double Pole, Double Throw, 6 contacts. NET.

A5466. Double Pole, Double Throw, 8 contacts. NET.

G. E. Rotary A. C. Switch

On and off switch. With 1/2" insulated leads. Rated 3 amps., 125 volts. Shaft extends 3/4" in. beyond bushing; for standard 3/4" inch knob. Underwriters' approved.



A2915.	10 Lots, 80c. EACH	9c
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SWITCH LOCK

For automobile radios, loud speakers in hotel rooms, etc. Key can be withdrawn only in locked position. Nickel plated 3/4" in. diameter of body. Switch is not surrounded. With two keys. Has number lock. Single pole, two terminals. Controls one circuit.

A2905.	List, \$1.00. NET	50c
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PORCELAIN KNIFE SWITCH

Glazed porcelain base. Heavy copper blade with insulated handle. Machine screw terminals.

A6185. S.P.S.T. 1 1/2"x3 1/2". NET.

A6186. S.P.D.T. 1 1/2"x3 1/2". NET.

A6187. D.P.S.T. 1 1/2"x3 1/2". NET.

A6188. D.P.D.T. 1 1/2"x3 1/2". NET.

MIDGET KNIFE SWITCHES

For panel or base mounting. Nickel-plated blades and contacts. bakelite base.

A6515. S.P.S.T. 1 1/2"x1 1/4". NET.

A6516. S.P.D.T. 1 1/2"x1 1/4". NET.

A6517. D.P.D.T. 1 1/2"x1 1/4". NET.

MIDGET PORCELAIN KNIFE SWITCHES

Neat and compact; mounted on glazed porcelain base. Blades have insulated handles. With screw terminals. For open or concealed wiring.

A1275. S.P.S.T. 1 1/2"x2 1/2". NET.

A1276. D.P.S.T. 1 1/2"x2 1/2". NET.

A1277. S.P.D.T. 1 1/2"x2 1/2". NET.

A1278. D.P.D.T. 1 1/2"x2 1/2". NET.

A1279. 3 P.D.T. 1 1/2"x2 1/2". NET.

CARTER PUSH-BUTTON SWITCHES

Cadmium-plated springs. Positive, non-corrosive contacts. Fully insulated. Bakelite knobs. 3/4" hole mounting. Locking type makes contact with knob pushed in. Non-locking type, with knob pushed in; returns to open when pressure on knob is released.

LOCKING TYPE

No. Type List NET

A8960 S.P.S.T. \$0.90 \$0.53

A8961 D.P.S.T. 1.20 .71

A8962 S.P.D.T. 1.00 .59

A8963 D.P.D.T. 1.50 .88

NON-LOCKING TYPE

A8964 S.P.S.T. \$0.90 \$0.53

A8965 D.P.S.T. 1.20 .71

A8966 S.P.D.T. 1.00 .59

A8967 D.P.D.T. 1.50 .88

Double Phone Plug

Molded of brown bakelite. Hardware brass nickel plated. Takes 2 sets of cord tips which are held firmly in place with screws. Rugged and will stand hard usage.

A5515. List, 50c. NET

FLAT TYPE PHONE PLUG

Automatic, nothing to take apart; just push in cord tips and plug is ready for use.

A3972. NET

YOUR PRICE... 10c

NEW YAXLEY GANG SWITCHES

New type universal switches for use in test instruments, Short Wave sets, and for general radio and laboratory use. All switches are provided with one permanent stop and one adjustable stop. Adjustable stop may be set permanently at any position desired. Rigidly built; no play or weaving. Has laminated bakelite insulation and phosphor-bronze springs. 3/4" mounting hole. Gangs spaced 1/4" apart. Complete with knob but less dial plate.

SINGLE GANG SWITCHES

No. Shorting Type	No. Non-Shorting Type	Poles	Pos.	List	NET
A6307	A6312	1	1-6	\$1.00	\$0.59
A6308	A6313	1	1-11	1.15	.68
A6309	A6314	2	1-5	1.25	.73
A6310	A6315	3	1-3	1.35	.79
A6311	A6316	4	1-2	1.45	.85

TWO GANG SWITCHES

A6318	A6323	2	1-11	\$1.00	\$0.91
A6319	A6324	2	1-11	1.75	1.03
A6320	A6325	4	1-5	2.00	1.18
A6321	A6326	6	1-3	2.10	1.23
A6322	A6327	8	1-2	2.25	1.32

DIAL PLATES FOR YAXLEY SWITCHES

NOTE: Etched dial plates to match above switches are available at 9c each. Specify number of points desired, when ordering, indicating whether or not "off" position is wanted.

EBY MODEL 34 WAVE-BAND SWITCH

An improved compact wave-band switch. Has low-capacity indexing. Self-cleaning contacts are silver-plated for low resistance. Has 3/4" shaft, 5/8" long.



No.	Poles	Throw	NET
A4085	1	Single	18c
A4086	1	Double	18c
A4087	2	Single	21c
A4088	2	Double	21c
A4089	3	Single	24c
A4090	3	Double	24c
A4091	4	Single	27c
A4092	4	Double	27c

SHORT WAVE SELECTOR SWITCHES

Designed for use in new type sets having from two to five wave bands. Sturdily constructed with self-wiping contacts of shorting type. Bushing 3/4" dia., with 3/4" x 1/4" steel shaft. Laminated bakelite insulation. Supplied with mounting nut and lock washer.

No.	Gangs	Poles	Pos.	NET
A4070	1	3	3	\$0.38
A4071	1	4	4	.48
A4072	1	2	5	.58
A4073	2	4	5	.94
A4074	3	6	5	1.33
A4075	4	8	5	1.58

MIDGET SHORT JACKS

% in. mounting, heavy bakelite insulators.

A8982. No. 1. Open Circuit, Output type. NET.

A8983. No. 2A. Single Closed Circuit type. NET.

CARTER FLAT PLUG

Popular flat plug. Only 1 1/4" in. dia., 3/4" in. thick. Ideal for wall plate connection. Cord tips held tightly by screws. Polarity shown. Of molded bakelite.

A8956. List, 50c. NET

YOUR PRICE... 28c

YAXLEY 15 POINT TAP SWITCH

Adaptable to many multiple switching requirements. 15 positions, with shorting type selector blade. Single hole mounting. Supplied with knob and etched dial plate. Wiping contacts cannot corrode and assure positive connection. 2 1/2" diam., 1" deep.



A6370. List, \$1.50. NET

YOUR PRICE... 88c

YAXLEY CIRCUIT OPENING SWITCH

Circuit breaking switch. Useful in building or modifying test equipment. Will open circuit and insert milliammeter, resistor, etc., in series with any one of 12 circuits. 2 1/2" diam., 1 1/4" deep. Single hole mount. Complete with dial and knob.

A6371. List, \$4.50. NET

YOUR PRICE... \$2.65

INDUCTANCE SWITCHES

A well made compact switch. Used in test equipment, etc. Nickel-plated type with pointer knob. 3/4" in. hole min. Wt. 6 oz.

No.	Points	NET
A8950	3	59c
A8951	7	71c
A8952	9	71c
A8953	9	73c
A8954	12	73c

Carter Jack Switches

Compact. Tempered steel frame. Cadmium-plated springs. Positive in action. Equipped with bakelite pointer knob and lock nut.

3 Position

No.	Pole	List	NET
A8969	1	\$0.35	\$0.50
A8970	2	1.20	.71
A8971	3	1.55	.91
A8972	4	1.95	1.15

The Daily HAMFEST Goes On!

The background of the advertisement features a stylized illustration. On the left, a man is shown in profile, wearing a headset and operating a radio. On the right, a tall radio tower with a spire is visible. The overall style is reminiscent of mid-20th-century technical or hobbyist publications.

ENTHUSIASTICALLY received by Amateurs everywhere, the ALLIED "Daily Hamfest" swings into another year. Its inception a year ago was the answer to the Amateur's need for a service never before available on so broad a scale. The response from our many "Ham" friends has enabled us to make the Daily Hamfest more valuable, more complete, more constructive.

A GAIN we bring you a complete line of carefully selected transmitting and receiving gear—equipment that we know will meet the high standards of modern Amateur communication and will produce more real results for your investment.

WHETHER you need equipment for Phone or CW, for high power or for low, you'll find that we've presented everything new and up-to-the-minute. But since developments are fast and varied, since new circuits and new methods are constantly being evolved, no catalog can ever be the final word. And so, as always, we stand ready to go into action—to obtain for you the newest or the "hard-to-get" special items. Regardless of what you may require, ALLIED Amateurs will get it for you.

AND don't forget—we like to hear from you. Advanced Amateur or Beginner, your problems become ours. If you've solved some tricky problem, let us know about it so that some brother Ham may in turn get the information if he runs up against the same thing. Write to us for advice, for help in choosing equipment, for the answer you can't find in the book. We, the Amateurs of ALLIED, conduct the "Daily Hamfest" for you. Wherever you are, close to us or in some remote corner of the world, we invite you to make use of our facilities—to help us in turn to be of more service to Amateurs everywhere.

NATIONAL Short

NEW NATIONAL HRO JUNIOR AMATEUR RECEIVER



AB POWER PACK

A10046. Type 5897AB. For use with 2.5 volt model HRO Junior. Heavy-duty type for 110 V. 50/60 cycles A.C.
Wt., 16 lbs. Net. **\$15.90**

A communication receiver with all the advanced features of the HRO Senior, except for tuning meter and crystal filter. Maximum gain and high signal-to-noise ratio attained with two tuned R.F. stages and two I.F. stages using air-tuned, Litz-wound transformers. Ganged, individually shielded plug-in coils with accurate calibration curve. Panel switch controls automatic or manual volume control. Multi-revolution, micrometer dial with 500 divisions assures ample bandspread (although not as great as that of the HRO Senior). The HRO Junior is supplied with coils tuning from 10 to 20 meters (2 amateur bands). Additional coils for all other Amateur bands are listed below. Housed in a black crystal steel cabinet, 8 1/2 x 17 1/4 x 10 1/2". Shipping weight, 35 lbs. Our new Time Payment Plan makes it easy for you to own an HRO Junior. Write for details.

A10065. For 2.5 volt A.C. operation. Supplied complete with RCA tubes (4-58, 3-57, 1-2B7, and 1-2A5), and one set of coils (10 to 20 meters). Less speaker and power supply.

A10066. For 6 volt battery operation. Supplied complete with RCA tubes (4-6D6, 3-6C6, 1-6B7, and 1-42) and one set of coils covering the Amateur 10 and 20 Meter bands. Less speaker and batteries.

YOUR PRICE EITHER MODEL..... \$99.00

HRO JUNIOR COILS

A9012. Set of coils covering 7 to 14.4 M.C. (2 Amateur bands, 40 and 20 meters.)

A9013. Set of coils covering 3.5 to 7.3 M.C. (2 Amateur bands, 80 and 40 meters.)

A9014. Set of coils covering 1.7 to 4 M.C. (2 Amateur bands, 160 and 80 meters.)

YOUR PRICE PER SET..... \$9.90

NATIONAL FB7A AND FBXA AMATEUR SW-3 RECEIVERS



Two popular 7 tube communication type receivers for the Amateur and SW Fan. Ample sensitivity and selectivity. Features: 2 IF stages, air-tuned, full-vision dial with seven inch scale; front panel plug-in coils; complete shielding and filtering for signal stability; electron-coupled oscillators. Model FBXA has built-in crystal filter. Sets measure 11 1/2 x 12 3/8". Shpg. wt., 29 lbs.

A10044. FB7A. Complete as described above, less crystal filter. Requires 2-58, 1-57, 1-56, 2-24A, 1-59 tubes. Supplied less tubes, coils, and power supply. **NET..... \$37.50**

A10045. FBX-A CRYSTAL MODEL. With crystal filter for single signal reception. Less tubes, coils and power supply. **NET..... \$51.90**

A10046. HEAVY-DUTY POWER PACK type 5897AB for maximum performance. For 110 V. 50/60 cycles. Less 80 tube. **Wt., 18 lbs. NET..... \$51.90**

A10047. POWER SUPPLY. Type 5897AB. For use with above sets for headphone operation only. 110 V. 50/60 cycles. **Less 80 tube. Wt., 16 lbs. NET..... \$14.70**

NATIONAL SW-3 RECEIVER

A favorite with Amateurs and SW Fans for years. Efficient TRF circuit, with single tuning control. Smooth, noiseless regeneration. Volume control calibrated in "R" units. Crinkle finish cabinet 9 1/2 x 9 x 7 1/2". Wt., 17 lbs.

A10053. AC-SW3. For A.C. operation. Uses 2-58 and 1-27 tubes. Less coils, tubes and power supply. Coils listed below.

A10054. 6DC-SW3. For 6 volt D.C. operation. Requires 2-36 and 1-37 tubes. Supplied less tubes, coils and batteries. Coils listed below.

A10055. 2DC-SW3. For 2 volt battery operation. Uses 2-32 and 1-30 tubes. Less tubes, coils and batteries.

YOUR PRICE EACH..... \$19.50



A10056. 5880 AB Power Supply. 115 volt 60 cycle. Requires 80 tube. **List, \$26.50. NET..... \$15.90**

A10057. 3500 "B" Power Supply. Has electrostatic shield and double section filter. Supplies 4 "B" voltages—22-45V, 45-90V, 90-135V and 180V. Requires 80 tube. **List, \$16.50. NET..... \$9.90**

FB-7A COILS

General Coverage and Band-Spread Coils for FB7A and FBXA receivers. Forms are R39; windings are covered with protective sleeve, metal end and handle. With built-in air dielectric condensers. Both types of coils interchangeable.

BAND-SPREAD COILS

No.	Band Range	NET PER PAIR
A6929	10 meter B.S.	\$7.20
A6930	20 meter B.S.	\$6.00
A6931	40 meter B.S.	
A6932	80 meter B.S.	
A6933	160 meter B.S.	

GENERAL COVERAGE COILS

No.	Band Range	NET EACH PAIR
A6934	34,000 to 18,000 Kc.	\$6.00
A6935	19,500 to 11,400 Kc.	
A6936	11,700 to 7,000 Kc.	
A6937	7,300 to 4,000 Kc.	
A6938	4,200 to 2,400 Kc.	
A6939	2,500 to 1,500 Kc.	
A6940	1,500 to 900 Kc.	

NATIONAL S-101 AUDIO COUPLER

For coupling output of screen grid detector to grid of audio tube. Consists of 700 Henry plate coupling choke, .01 coupling condenser, and 250,000 ohm resistor in a case.

A6896. List, \$5.50. **NET..... \$3.30**



NATIONAL GRID GRIPS

Unique construction assures perfect contact with grid cap, yet is easy to remove.

A6877. For Standard Glass Tubes. **3c**
A6876. For Metal Tubes. **3c**
A6878. For Transmitting Tubes. **6c**
NET EACH.....



PLUG-IN COILS

Low-loss coils for National SW3 receivers. Wound on R39 forms. Series "10" for use in original A.C. and D.C. SW3, A.C. SW5, A.C. SW45. Series "60" for present Model A.C. SW3 and A.C. SW58. Both General Coverage and Bandspread types are available.

General Coverage Coils

10 Series NO.	60 Series NO.	Meter Range	NET PER PAIR
A6835	A6843	9-15	\$3.00
A6836	A6844	13.5-25	
A6837	A6845	23-41	
A6838	A6846	40-70	
A6839	A6847	65-115	
A6840	A6848	115-200	
A6841	A6849	200-360	\$3.30
A6842	A6850	360-600	

BAND-SPREAD COILS

A6880	A6885	10	\$3<u>00</u>
A6881	A6886	20	
A6882	A6887	40	
A6883	A6888	80	
A6884	A6889	160	

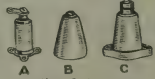
Stand-Off Insulators

A6627. Fig. A. Small insulative insulators designed for extreme electrical efficiency. Make ideal forms for H.F. and U.H.F. chokes. Equipped with metal mounting feet.

Type GS1. 1 1/2" high, 1/2" diam. NET. **15c**
Type GS2. 1 1/2" high, 1/2" diam. NET. **21c**

A6628. Fig. B. A Statite insulator for mounting parts on metal chassis bases. GS5 tapped 3-32 each end. GS6 and GS7 tapped 10-24 each end. GS8, 1 1/4" high. **15c**

A6630. Fig. B. GS6, 3/4" high. NET. **21c**
A6631. Fig. B. GS7, 3/4" high. NET. **39c**
A6632. Fig. C. GS8, A small Statite insulator suitable for use in Low Loss H.F. Circuits for coil mountings, etc. Base has 1" mounting centers. NET. **15c**



NATIONAL STEEL CABINETS



For housing home-built receivers or special equipment. Regularly used with such sets as National FB7, SW-3, SRK and PSK. Have plain panels and sub-bases. Can be supplied punched for standard assemblies upon request. Black crinkle finish. Complete with sub-base and bottom cover.

No.	Type	List	NET
A6962	C-SRR	\$3.50	\$2.10
A6963	C-FB7	7.00	4.20
A6964	C-PSK	6.00	3.60
A6965	C-SW3	5.50	3.30

NATIONAL AA-3 SPREADER

A6622. Statite feeder spreaders 6 1/2" long, 3/8" diameter. Extremely efficient; low loss. **List, 30c. YOUR PRICE..... 18c**

AA-5 STRAIN INSULATOR

A6623. Aircraft type compression strain insulator. Very strong. **List, 20c. YOUR PRICE..... 12c**

AA-6 ANTENNA INSULATOR

A6624. Statite insulation. Length 4 1/4" x 1/2" diameter. Small in size, but strong and sturdy. **List, 25c. YOUR PRICE..... 15c**

Wave EQUIPMENT

NATIONAL HRO "SENIOR" AMATEUR RECEIVER

A nine tube superhet that meets the most exacting requirements of high-frequency communication. Embodies such desirable features as: Two tuned R.F. stages; crystal filter with adjustable selectivity; calibrated ganged plug-in coils; single control tuning; signal strength meter calibrated in "S" units; variable pitch beat oscillator. Micrometer type dial with 20 to 1 worm drive has 500 divisions for absolute handsread and accurate tuning. The performance of this receiver under all conditions, with either doublet or single wire antenna is amazing. Usable sensitivity and selectivity are extremely high with complete suppression of image frequencies. Complete descriptive literature available on request.

A10062. FOR 2.5 VOLT A.C. OPERATION. Complete with 4-58, 3-67, 1-2B7, and 1-2A5 R.C.A. tubes. With ganged plug-in coils covering 1.7 to 30 Mc. Less speaker and power supply.

A10063. FOR 6 VOLT BATTERY OPERATION. Complete with 4-6D6, 3-60C, 1-6B7, and 1-42 R.C.A. tubes. With ganged plug-in coils covering 1.7 to 30 Mc. Less speaker and battery. List \$279.50.

YOUR PRICE, EITHER MODEL.....

\$167⁷⁰



The National HRO "Senior" Receiver may now be purchased on an attractive time-payment plan. Write for complete details of this convenient plan. You can enjoy splendid HRO reception at once.

AB POWER SUPPLY

A10046. Type S897AB. Heavy-duty power pack for use with the HRO receiver. For 110 V. 50/60 cycles. Requires 80 tube (not supplied). Wt., 16 lbs.

List, \$26.50. **NET.....\$15.90**

EXTRA COILS

Plug-in coil assemblies for the HRO.

A8016, 175-400 K.C. \$16.50

A8018, 500-1000 K.C. 12.00

A8017, 900-2000 K.C. 12.00

NATIONAL DIALS

TYPE "B" 4"

A compact dial with a smooth variable ratio drive. Dial scale is read through a window in the black bakelite case.

A6904. Scale 0-100-0, 180°, for rotation in either direction, counter clockwise.

A6905. Scale 200-0, 360°, NET EACH.....**\$1.65**

A6906. ILLUMINATOR for dial, with bracket. 50c.

NET EACH.....30c

TYPE "BM" 3"

Smaller than the "B" dial; similar in appearance, but with fixed ratio vernier.

A6908. Scale 0-100-0, 180°, universal.

A6909. Scale 200-0, 360°, counter clockwise.

List, \$2.50. **NET EACH.....\$1.50**

TYPE N

Precision dials, with machine-divided scales and versions of solid German Silver. Dial is 4" in diameter with a smooth planetary mechanism; 5 to 1 ratio.

A6911. Scale 0-100, 180°, counter clockwise.

A6912. Scale 0-100, 180°, clockwise.

A6913. Scale 150-0, 270°, clockwise.

A6914. Scale 200-0, 360°, clockwise.

List, \$6.75. **NET EACH.....\$4.05**

TYPE H DRUM DIAL

Has positive dial cord drive. Scale is projected on ground glass screen; no parallel. Operates at right angles to condenser shaft.

A6920. Scale 0-100, 180°, counter clockwise.

A6921. Scale 100-0, 180°, clockwise.

A6922. Scale 150-0, 270°, clockwise.

List, \$5.50. **NET EACH.....\$3.30**

TYPE "A" 4" Dial

An exceptionally smooth "Velvet Vernier" dial, entirely free from backlash. The vernier mechanism is contained within the bakelite knob. Ratio 5 to 1. 4" dia., black bakelite.

A6900. Scale 0-100, 180°, counter clockwise.

A6901. Scale 150-0, 270°, clockwise.

A6902. Scale 200-0, 360°, clockwise.

List, \$3.00. **NET.....\$1.80**

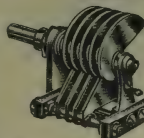
NATIONAL HRO KNOB

A large, professional type bakelite knob, 2 1/2" in diameter; exactly as used on the HRO receiver. It is a "finger-grip" fluted; makes finer tuning easy. Fits 3/4" shaft. Ideal for use as tuning knob on any receiver.

A6924. List, 85c. **NET.....51c**

NATIONAL RECEIVING CONDENSERS

SE 270°

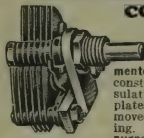


This well-known condenser has straight line frequency plates, 270° rotation. Steatite insulated. Plates and frame are aluminum, two bearing rotor with front bearing insulated. Rotor contact is through constant-impedance signal.

15 mmf. and 25 mmf. condensers have thick plates with rounded and polished edges, and are suitable for high voltage. All other types have cut plates; edges are not polished.

STOCK NO.	CAP. MMF.	NO. OF PLATES	AIR	NET EACH
A6810	15	6	.055"	\$1.50
A6811	25	9	.055"	1.65
A6812	50	11	.026"	1.80
A6813	75	15	.026"	1.95
A6814	100	20	.026"	2.10
A6815	150	29	.026"	2.25
A6816	200	27	.018"	2.25
A6817	250	32	.018"	2.40
A6818	300	39	.018"	2.40
A6819	335	43	.018"	2.55

EXPERIMENTERS TYPE CONDENSERS



A superior low-priced midget condenser for SW set builders and experimenters. Sturdy, all-brass construction with bakelite insulation. Rotor and stator plates may be easily removed. Single hole mounting. Ideal for all short wave purposes.

Cat. No.	MMF.	NET, EACH.
A6943.....15		51c
A6944.....35		60c
A6945.....50		54c
A6946.....100		60c
A6947.....140		75c

* Double spaced; others single.

LOW-LOSS ISOLANTITE SOCKETS

Well-designed socket for use in HF receivers and low power stages of transmitters. Isolantite insulation assures low loss. 6 prong Special Socket for National Coils is square; others as illustrated.

No. Prongs List, 60c.

A6874 4.....**NET EACH, 36c**

A6868 5.....

A6869 6.....

A6870 7.....

A6897 8 OCTAL FOR METAL TUBES.....

A6871 6 (FOR NATIONAL COILS) 45c

50 WATT SOCKETS

A high grade moderately priced socket; has glazed ceramic insulation and metal shell. Blazing hot terminals.

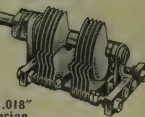
A6655. XM-50.....**\$1.05**

List, \$1.75. **NET.....\$2.10**

A6898. XC-50. ALL-STEATITE. Low-loss; provides safety from arc-over. Contacts are only metal in entire assembly. List, \$3.50. **NET.....\$2.10**

ST 180°

Similar to type SE, but with 180° Straight-Line-Wavelength plates, and somewhat more compact. 15, 25 and 50 mmf. condensers with .018" spacing have single bearing. Others have two bearings.



STOCK NO.	CAP. MMF.	NO. OF PLATES	AIR GAP	NET EACH
A6820	15	3	.018"	\$.84
A6821	25	4	.018"	.90
A6822	50	7	.018"	.96
A6823	75	9	.026"	1.50
A6824	50	11	.026"	1.08
A6825	75	15	.026"	1.20
A6826	100	20	.026"	1.35
A6827	150	29	.026"	1.50
A6828	150	29	.026"	1.50
A6829	200	27	.018"	1.65
A6830	250	32	.018"	1.80
A6831	300	39	.018"	1.95
A6832	335	43	.018"	2.10

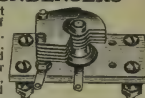
SPLIT STATOR MODELS

A6833 50-50 11-11 .026" \$2.10

A6834 100-100 14-14 .018" 2.70

NATIONAL ULTRA-MIDGET TYPE UM CONDENSERS

New compactly built midget condenser of extremely small size. Ideal for Ultra H.F. use in receivers and transmitters, and for padding or neutralizing, and for Fixed-Tuned exciter stages of hand-switching transmitters. Isolantite insulation. Shaft extends at rear for easy ganging.



SINGLE-SPACED

Stock No.	Cap. Mmf.	Fact. Type	NET EACH
A6800	15	UM-15	\$0.75
A6801	35	UM-35	.90
A6802	50	UM-50	.96
A6803	75	UM-75	1.02
A6804	100	UM-100	1.14

DOUBLE-SPACED

A6807 25 UMA-25 1.11

BALANCED STATOR SINGLE-SPACED

A6808 25 UMA-25 1.11

POWER PENTODE SOCKET

Large wafer type Isolantite socket for the 8K28 and 8CA83 power pentodes. Rigid three point mounting. Has rugged side-wipe contacts. Equipped with standard insulators.

A6899. **NET, \$2.16**

A6875. As above, but less stand-off insulators. **NET.....\$1.80**

ACORN TUBE SOCKETS

A6643. FOR TRIODES. Five contact clips mounted on Isolantite.

A6644. FOR PENTODES. Has aluminum base with all contacts by-passed to ground. Designed for short leads.

List, \$1.50. **NET EACH.....90c**



NATIONAL

Short

NEW NATIONAL "ONE-TEN" ULTRA HIGH FREQUENCY RECEIVER



An improved super-regenerative receiver capable of exceptional performance in the ultra high frequency band of from one to 11 meters. Remarkably stable in operation; has tuned R.F. stage for high signal-to-noise ratio. Uses 1-054, 1-055, 1-055 and 1-056 tubes. The heart of the "One-Ten" is the U.H.F. tuning unit described at right. Controls include micrometer dial, Detector regeneration, Volume, and R.F. alignment, all on front panel. Designed to fill the need for a fine U.H.F. receiver.

A10060. Complete with coils but less tubes, speakers and power supply. **NET..... \$39.00**

POWER SUPPLY

A10061. Type 5886 power supply for 110 receiver. For 115 volts, 60 cycles. Requires 80 tube. List, \$26.50. **NET..... \$15.90**

Tunes 1 to 11 Meters

NATIONAL TRANSMITTING CONDENSERS

TYPE TMS—LOW POWER

Precision type condensers, rigidly constructed, for use in low-power stages of transmitters. Low C condensers are rated at 2000 Volt Peak; others are 1000 Volt Peak. Conical front bearings; single ball thrust, radial rear bearing. Insulation is Steatite-Isolanite.

FOR OSCILLATORS, BUFFERS, DOUBLERS, ETC.

No.	Mmf.	Plates	NET
A6635	100	10	\$1.35
A6636	150	14	1.50
A6637	250	23	1.65
A6638	50-50	5-5	2.10
A6639	100-100	9-9	2.55
FOR LOW C, TYPE 210 AMPLIFIERS			
A6640	35	8	1.65
A6641	50	11	1.80

TYPE TMC—MODERATE POWER

For use in power stages of transmitters where the peak voltage does not exceed 3000 volts. Extremely rigid frame; Steatite-Isolanite insulation. Aluminum plates have buffed edges; air gap is .077". Have conical front bearing and radial rear bearing with single ball thrust. Stator of split-stator model is supported at both ends.

FOR RK-18, RK-10, RCA-800, 830, 203A, 210, ETC.

No.	Mmf.	Plates	NET
A6645	50	10	\$2.40
A6646	100	13	2.55
A6647	150	21	2.85
A6648	100-100	13-13	4.50

ROTOR CLAMPING DEVICE

Designed to clamp the rotor shaft of any National transmitting condenser. Easy to mount. Holds rotor firmly in place.

A6941. List, 85c. **NET..... 51c**

SHIELDED AIR DIELECTRIC PADDING CONDENSERS

Extremely compact condensers, with a very low temperature coefficient. Aluminum-shielded. Measure $1\frac{1}{4}$ " diameter and $1\frac{1}{4}$ " to $1\frac{1}{2}$ " high.



No.	Mmf.	NET
A6872	75	\$1.35
A6873	100	1.50

NEUTRALIZING CONDENSERS

Type TCN. A heavy-duty neutralizing condenser with a peak voltage rating of 6000 volts. Maximum capacity 25 mmf. For use with 203A, 852, 204A and like tubes.

A6874. List, **\$2.10**
\$3.50. NET.....

FLEXIBLE SHAFT COUPLING

For driving off-set shafts at any angle up to 90 degrees. Short flexible shaft has no backlash; hubs for $\frac{3}{4}$ " shaft. TX-12 has Isolanite insulated hubs.



A6620. TX-12. NET. 75c
A6621. TX-11. Plain hubs, not insulated. NET..... 36c

CRYSTAL HOLDER

Mounts crystal in vertical position, allowing it to vibrate freely. Permits rapid change of crystals. Molded R-50 body, with metal shield. Fits standard socket. Less crystal.

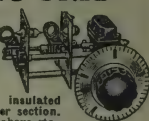


A6864. Resonator Type
A6865. Transmitting Type

CHT. YOUR PRICE, EACH..... \$150

ULTRA H.F. TUNING UNIT

Developed especially for U.H.F. receivers. Used in the National "One-Ten" receiver described at the left. An ideal chassis for U.H.F. experimenters. Consists of a two-section Victor insulated condenser, 15 mmf. per section. Coils plug in directly above tubes; section shields carry Acorn tube sockets. Micrometer dial has 20:1 ratio worm gear drive; can be read to one part in 500. Supplied less tubes and coils.



A9112. List, \$37.50. **YOUR PRICE..... \$22.50**

NATIONAL COIL FORMS

Receiver Forms

Low-loss R-39 forms which are extremely popular with Amateurs and Experimenters. Easy to drill and groove. Measure $1\frac{1}{4}$ " diameter, $2\frac{1}{4}$ " long. Finger-grip rim at top.

A6852. 4 Prong. **A6853.** 5 Prong. **A6854.** 6 Prong. List, \$0.75. **NET EACH..... 45c**



Transmitter Forms

Ceramic forms for winding low-loss transmitter inductances. Grooved and drilled.

A6862. XR10A. 20 or 40 meter. **NET..... 90c**
A6863. XR12A. 30 or 40 meter. **NET..... \$1.35**



AIR-TUNED

I. F. TRANSFORMERS

Efficient IF transformers with air dielectric condensers. Steatite insulation. Aluminum plates. Coils are litz wound. Adjustments are on top of shield can. Oscillators are tuned by a knob.

A6925. 450-550 KC IF. **A6926.** 450-550 KC Beat Osc. **A6927.** 175 KC IF. **A6928.** 175 KC Beat Osc. List, \$5.00. **NET EACH..... \$3.00**



DIODE TRANSFORMERS

Designed for use in the new noise silencing circuits, or in detector and A.V.C. circuits for coupling to diode detector tube. Air-tuned primary; untuned close-coupled secondary for push-pull output. Isolanite insulated; moisture-proofed coils. Enclosed in aluminum shield.

A6918. 175 K.C. **A6919.** 450-550 K.C. **YOUR PRICE..... \$2.10**



LOW FREQUENCY OSCILLATOR COIL

For use in super-regenerative receivers as interruption-frequency oscillator. Consists of two separate inductances, closely coupled, mounted in an aluminum shield. Mounts easily by means of two spade lugs. Secondary inductance is 6.25 mh. Tunes to 100 KC with .00041 mfd. condenser.

A6857. List, \$1.50. **YOUR PRICE..... 90c**



XTS COIL FORM

Low-loss Steatite form for R.F. precision resistors, etc. Four sections, wire slot between sections and to terminals. Mounting hardware supplied.

A6866. **NET, EACH..... 30c**



TYPE XS-6 HF BUSHING

A6633. A small Steatite shoulder-type flat bushing. Measures $\frac{3}{4}$ " dia., $\frac{1}{8}$ " thick with $\frac{3}{4}$ " hole. List, 10c. **NET EACH..... 6c**



Wave EQUIPMENT

NATIONAL R-100 R.F. CHOKE



Ideal for high frequency circuits. Extensively used in receivers and low-power stages of transmitters. Has continuous 4 section winding on insulating form. Inductance 2 1/2 MH; distributed capacity only 1 mmf. Current rating 125 MA; DC resistance 50 ohms. Pigtail connections. A6879. List, 75c.

45c

TRANSMITTING CHOKES

Universal chokes with honey-comb-type windings in five sections. Rated at 600 MA continuously. Inductance 4 MH, 10 ohms D.C. resistance. R152 is for the 160 meter band, and R154 for the 40 meter band.

A6858. R152. **\$135**
A6856. R154. **\$135**
NET EACH.....

A6858. R154U. For 20, 40 and 80 meter bands. Five section honeycomb type coil on insulating core, with solder lug. Rated at 600 MA. continuous, 1mh. inductance, 6 ohms DC resistance. **\$1.05**

NEW NATIONAL NC-100 RECEIVER 30 MC TO 540 KC

A new, amazingly efficient 12 tube Superhet. Will satisfy the requirements of the most exacting Amateur or Short-Wave Listener. Capable of extremely high performance over a frequency range of from 540 to 30,000 KC. Many unusual design features are incorporated. Among them is an ingenious coil-changing mechanism which combines the rapid, easy action of a range-change switch with the high efficiency of individual plug-in coils. Tuning dial is the now famous Micrometer-worm-gear-drive assembly; accurate readings to one part in 500; tuning ratio 20-1. Panel controls grouped for easy operation, consist of: Micrometer dial; Range Selector; Combined A.V.C.-Manual Volume-Beat Oscillator control switch; Combined A.C. on-off, and Send-Receive switch; R.F. gain; Audio Gain; Beat Oscillator pitch control; Tone control. Crystal filter model also has variable selectivity and crystal phasing control. Coil assembly insulated with R-39: each coil individually shielded; entire assembly enclosed in cast aluminum shield. Range switch contacts are silver-plated providing positive, smooth, noiseless operation. Prescaler stage on all frequency ranges. Power supply is built-in. Tubes used are: 4-6X7, 3-6Z7, 1-6C5, 2-6B6, 1-6E5 and 1-80. Strength of incoming signals may be accurately read in either "SV" units or microvolts, by means of calibrated electron-ray tube mounted on front panel. Antenna input arranged for either doublet or single wire type antenna. 10" Electro-dynamic speaker supplied, receives field current from built-in power supply. Cabinet finished in black crackle enamel. Size 17 1/2" long, 11 1/2" deep, 9" high. Speaker is mounted in a Model DCS metal table model cabinet, reinforced with wood, and finished to match the receiver cabinet. Shpg. wt. 65 lbs.

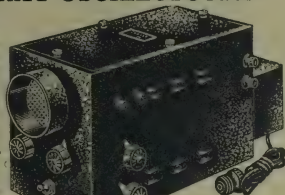
A10048. Model NC-100 COMPLETE with tubes and built-in power supply and 10 inch dynamic speaker. **\$110.10**

A10049. Model NC-100X. As above but with new type National crystal filter built in. Filter is equipped with both variable selectivity and phasing controls. **\$132.60**

Write for details of Our Time Payment Plan.

NATIONAL CATHODE RAY OSCILLOSCOPE

Provides a graphic picture of actual operating conditions in transmitter circuits. Gives direct indication of percentage modulation, signal distortion, peak voltage, etc., through easily interpreted patterns. Has built-in 60 cycle AC sweep. Audio voltage from the transmitter when applied to external sweep terminals produces easily read "trapezoid" pattern for easy calculation of percentage modulation. The Cathode Ray Oscilloscope fills FCC requirements for checking over-modulation of Amateur phones. The unit is completely self-contained, with built-in power supply and control devices. Tubes used are 1-906 Cathode Ray tube and 1-80. Sturdy steel cabinet 6x8x12 in. has black crackle finish. Shipping wt. 23 lbs. For 110 V. 50/60 cycles. A2018. Less Tubes. List, \$29.50. NET. A238. R.C.A. 906 Cathode Ray Tube. **\$18.00**



Buffer Coil Form and Socket

A new low-loss coil form assembly for use in medium and low-power transmitter stages. Insulating form is 1 1/2" dia. 3 1/2" long; drilled for wire leads. R39 coil plug with five prongs is easily attached to coil form by two screws. Molded R39 socket equipped with five rugged side-wire contacts. Ideal for oscillator and buffer stages.



No.	Description	NET
A6650.	Complete Buffer Form Assembly	\$1.35
A6651.	Coil Form only	.60
A6652.	Coil Plug only	.45
A6653.	Coil Socket only	.45

FIXED TRANSMITTING CONDENSERS

SANGAMO TYPE E MICA CONDENSERS

An exceptionally heavy-duty type condenser for use in all high-voltage circuits. Insulation is finest selected mica; complete to assembly hermetically sealed in glazed porcelain case. Voltage ratings are conservative; capacity remains constant under all load conditions. These units are recommended for use in tank circuits, for antenna coupling, as plate or grid blocking units, or in any circuit carrying heavy current. Size 4 1/4" wide, 2 1/4" deep, 3 3/4" high. Mounting centers 3 1/4".



Stock No.	Cap. Mfd.	Max. D.C. Volts	NET
A7972	.00005	12500	\$2.20
A7973	.0001	12500	
A7974	.00025	12500	
A7985	.0005	12500	
A7986	.001	12500	2.50
A7987	.0015	12500	2.94
A7988	.002	12500	3.23
A7989	.0025	10000	3.82
A7990	.004	10000	5.29
A7991	.005	10000	5.59
A7992	.001	7000	2.50
A7993	.0015	7000	2.79
A7994	.002	7000	3.09
A7995	.003	7000	3.53
A7996	.004	7000	4.41
A7997	.005	7000	4.12
A7998	.01	7000	5.59

AEROVOX OIL IMPREGNATED CONDENSERS



Designed for dependability. These transmitting type filter condensers are built of the finest materials available. Dielectric is 100% pure linen paper impregnated with oil. Section is surrounded by protective oil bath in hermetically sealed round metal can. High-tension pillar insulators used for the terminals, insuring adequate insulation at high operating voltage. Mounting rings supplied. A size for every transmitter filter requirement at a moderate price.

No.	1000 VOLT Mfd.	Size	NET
A1258	1	2x5 1/4"	\$1.59
A1259	2	2x5 1/4"	1.87
A1260	4	2 1/2 x 5 1/4"	2.95
1500 VOLT			
A1261	1	2x5 1/4"	1.68
A1262	2	2 1/2 x 5 1/4"	2.29
2000 VOLT			
A1263	1	2x5 1/4"	2.09
A1264	2	2 1/2 x 5 1/4"	2.79

Mounting ring furnished with each of the above units.

SANGAMO MICA CONDENSERS



Accepted by Amateurs everywhere for R.F., by-pass, and coupling condensers in transmitter circuits. Accurate within 10%; permanently retain rated capacity. Only finest ruby mica used for dielectric; sturdy containers of molded bakelite with screw type terminals.

1000 V. D.C. TEST No.	Mfd.	2500 V. D.C. TEST No.	Mfd.	5000 V. D.C. TEST No.	Mfd.	NET
A7650	.00005	\$0.24	A7672	.00005	\$0.41	
A7651	.0001	.24	A7673	.0001	.41	
A7652	.00015	.24	A7674	.0002	.41	
A7653	.0002	.24	A7675	.00025	.41	
A7653	.00025	.24	A7676	.0005	.41	
A7656	.0005	.24	A7677	.001	.53	
A7658	.001	.29	A7678	.002	.79	
A7659	.0015	.29	A7679	.004	.91	
A7660	.002	.29	A7680	.005	1.03	
A7661	.003	.35	A7681	.006	1.03	
A7662	.004	.35	A7682	.008	1.32	
A7663	.005	.41	A7683	.01	1.65	
A7664	.006	.50	5000 V. D.C. TEST No.	Mfd.	NET	
A7665	.008	.59	A7975	.00005	\$0.53	
A7667	.01	.68	A7976	.0001	.63	
A7668	.015	.73	A7977	.00015	.59	
A7669	.02	1.09	A7978	.00025	.62	
A7669	.025	1.35	A7979	.0005	.73	
A7655	.03	1.47	A7980	.001	1.32	
A7671	.05	2.26	A7981	.002	1.88	
A7670	.05	2.26	A7982	.003	1.62	
A7670	.05	2.26	A7983	.005	1.94	
NET, per pair... 6c				A7984	.01	2.41

We can also supply 2500 and 5000 Volt Sangamo condensers with "dead" terminals on one side, suitable for panel mounting at no additional cost. Specify when ordering.

Short Wave RECEIVERS

LATEST HALLICRAFTERS SHORT WAVE RECEIVERS



with 36 to 1 ratio handspring action; shielded beat oscillator, controllable from panel; and built-in power supply and speaker. Arranged for use with either vacuum antenna or detector. Headphone jack and all controls are mounted on the front panel. Uses tubes as follows: 1-2AF, 1-6BT, 1-75, 1-42 and 1-80. Housed in rugged, handsome metal cabinet. An exceptionally fine receiver at a remarkably low price.

AI0150.

YOUR PRICE. With Tubes.

ULTRA SKY RIDER 5 TO 10 METERS

A sensational, new professional type, short wave receiver designed especially for Amateur high frequency reception. Tuned from 3.5 to 53 meters in 4 bands, selected from the front panel by means of a special isotope-mounted band switch.



Covers 5, 10, 20 and 40 meter Amateur bands, as well as all short wave broadcast frequencies from 10 to 43 meters. (Does not cover 80 or 160 meter Amateur bands.) Features include: Iron core I.F. transformer; Duo-Micro-Vernier Dial, 320°; Electrical Bandspread; I.F. expander to broaden selectivity for 5 meter reception; Lamb Meiss Silencer built in; R.F. and audio gain controls; beat oscillator with pitch-control; and "Send-Receive" switch. Uses ten of the latest tubes. As follows: 2-6BT, 2-6BT, 1-6BT, 1-6BT, 1-6BT, 1-6BT, 1-6BT, 1-6BT, 1-6BT, 1-6BT. All controls brought out on panel. May be used with doublet or straight antenna. In handsome black crackle finished metal cabinet. With tubes.

AI0152. MODEL S-10.

Less Speaker.

YOUR PRICE.

AI0153. MODEL SX-10 AS ABOVE BUT WITH crystal filter and panel controlled crystal pleasing condenser.

NET

NEW SARGENT MODEL 10AA 9.5 TO 550 METERS



A new all-wave communication receiver for the Amateur or Short Wave fan. Uses five highly efficient tubes in a modern, stable T.R.F. circuit. No plug-in coils are used; bands are selected by switching. Features built-in power supply; precisely calibrated main tuning and bandspread dials; smooth, silent regeneration control; built-in Jensen dynamic speaker. Covers all amateur, short wave broadcast, commercial wave lengths. Uses 1-6C8, 1-6C8, 1-6C8, 1-6C8, 1-6C8. Housed in attractive, sturdy metal cabinet, finished in dark crackle enamel.

Net 200 Watts, 60 cycle A.C. operation.

With tubes.

AI0162. YOUR PRICE.

AI0163. MODEL 11AA. 9.5 TO 550 METERS. A 5 tube T.R.F. receiver similar to the model 10AA above, but with break-in switch and headphones jack on front panel, and other refinements for communication type operation.

NET

AI0164. MODEL 11AA. 9.5 TO 20,000 METERS. Same circuit and construction as model 11AA, but tuning range extends to 20,000 meters, covering ship, weather and commercial wave lengths. Ideal for news, jewelry, airports, etc.

NET

Marine Type Communications Receiver

AI0165. MODEL 12F. 15 TO 5,000 METERS. A TRF receiver designed for commercial communication work, especially on board ship. Generates from 6 volt battery and "B" batteries, or A.C. power supply. Selectivity equals that of most superhet receivers. With tubes and speaker, new batteries.

AI0166. MODEL 57-FA POWER PAC. Designed especially to supply the necessary operating voltages to the Model 12F receiver above. For 120 V. 60 cycle A.C.

NET

ALL SARGENT RECEIVERS ARE AVAILABLE FOR 32 VOLT D.C. AND 110 VOLT D.C. WRITE FOR PRICES.

Here is the ideal receiver for the amateur or short wave fan who has always wanted a professional type receiver, at an inexpensive price. Has all the features of the larger sets, and is capable of real professional performance. New circuit makes five tubes do the work of eight. Tuned from 18 to 555 meters, in 3 bands. Features include: Iron core I.F.; A.V.C., which can be turned off for CW reception; calibrated dial.

\$29.50

A new communication type receiver of superior design and construction. An efficient superheterodyne circuit makes use of seven tubes to give ten tube performance. Among the features of this remarkable set are: Band switching, to tune from 17.6 MC. to 540 KC. covering amateur, short wave broadcast, police, and regular broadcast bands; variable beat oscillator controllable from front panel; 665 signal strength indicator; iron core I.F. stage; A.V.C.; R.F. and audio gain controls; mechanical bandspread; built-in speaker and power supply, and stand-by switch. Headphone jack; as well as all other controls are mounted on front panel. Uses 1-75, 1-6BT, 1-6BT, 1-75, 1-42, 1-6G5, and 1-80 tubes. In attractive, rugged metal cabinet.

AI0151. YOUR PRICE. With Tubes.

SKY-CHIEF



\$44.50

NEW SUPER SKY-RIDER

As if tube amateur-professional receiver incorporating all of the latest developments. Among the many features of the new Sky-Rider are: Calibrated Duo-Micro-Vernier bandspread tuning; 2 iron core I.F. stages; 665 field strength indicator; air trimmed R.F.'s; 338 degree main tuning dial; keying relay connected for break-in; 100% in work; improved 10 meter performance; A.V.C.; two 6L6 tubes develop 14 watts output.

Features include: tuning panel with attractive leather finish and steel dustproof cabinet. Covers from 40 megacycles to 535 KC. in 5 bands. Tubes used are: 4-6KT, 1-6L7, 1-6G5, 1-6BT, 2-6L6, 1-6G5 and 1-6Z3. With tubes.

AI0154. YOUR PRICE.

AI0155. MODEL SX-11. AS ABOVE BUT WITH crystal filter, peaked at factory. New filter circuit design gives true single signal action. NET

AI0156. SKYRIDER COMMERCIAL MODEL S-12. An 11 tube commercial receiver ideal for ship and aircraft. Uses 25 tubes to 3000 meters, covering the 40, 80 and 160 meter amateur bands, as well as many broadcast and commercial wave lengths. I.F. frequency used is 1600 KC. With tubes as above.

NET

AI0157. MODEL SX-12. AS ABOVE BUT WITH improved crystal filter, factory-peaked, for true single signal operation. NET

RCA ACR-136 AMATEUR COMMUNICATION RECEIVER

A self-contained 7 tube Superhet receiver for the Amateur and the Short Wave Enthusiast. Has many desirable features: Beat oscillator, A.V.C., Sensitivity control, Calibrated dial, built-in power supply and dynamic speaker. Has smooth band-change switch for rapid coverage from 540 to 18,000 K.C. in three bands. Tuned R.F. stage provides excellent sensitivity and selectivity. Black triple-finished cabinet measures 22"x10 1/2"x11 1/2". The ACR-136 is supplied complete with a matched set of RCA tubes consisting of 3-6D6, 1-6A7, 1-6BT, 1-42, and 1-80. For 110 volt, 60 cycle A.C. operation at 85 watts.



AI0170. YOUR PRICE.

NEW ACR-175 RECEIVER

A new RCA Receiver that will do credit to any Amateur Station. Incorporates every desirable feature of design and construction. Tuned 5 to 600 meters continuously. Has new crystal filter, "Magic Eye" tuning indicator, Iron-Core 1F's, 11 new tubes, 2 IF stages, built-in power supply and high-gain selector. Signal-to-noise ratio is extremely high. New improved A.V.C. and increased bandspread make operation of the ACR-175 a real pleasure. Has separate electro-dynamic speaker. New type velvet drive tuning control is absolutely free of backlash. The ACR-175 is built in a handsome, rugged metal cabinet. Power transformer operates on 110 volts, 25 to 60 cycles.

AI0171. YOUR PRICE.

With Tubes, Crystal and Speaker.

\$119.50

WRITE FOR DETAILS OF OUR TIME PAYMENT PLAN FOR AMATEUR RECEIVERS

Short-Wave RECEIVERS • TRANSCEIVERS

THE RME MODEL 69 SINGLE SIGNAL SUPERHET

A precision-built receiver for the Amateur and Short-Wave Listener. Improved circuit develops exceptional efficiency across entire frequency range of receiver. Has two 5 inch illuminated dials; one calibrated in megacycles for easy accurate tuning, vernier dial drive. Features: carrier level meter calibrated in dB and R units; modulation monitor built-in; tuned preselector stage; three-position crystal filter; coil as rapid selection of any frequency band from 550 to 32,000 K.C. High-gain preselector stage eliminates image signals; increases selectivity and sensitivity to weak signals. Each RME-69 is individually hand made. All major parts, I.F. coils, etc., are laboratory-built and subjected to rigid tests. Workmanship is of the highest quality. Tubes used are: 12AF6, 12BE6, 12BH6, 12BY6, 12CA6, 12CH6, 12CN6, 12CT6, 12DE6, 12EG6, 12EH6, 12EX6, 12F6, 12G6, 12H6, 12J6, 12K6, 12L6, 12M6, 12N6, 12O6, 12P6, 12Q6, 12R6, 12S6, 12T6, 12U6, 12V6, 12W6, 12X6, 12Y6, 12Z6, 12AA6, 12AB6, 12AC6, 12AD6, 12AE6, 12AF6, 12AG6, 12AH6, 12AI6, 12AJ6, 12AK6, 12AL6, 12AM6, 12AN6, 12AO6, 12AP6, 12AQ6, 12AR6, 12AS6, 12AT6, 12AU6, 12AV6, 12AW6, 12AX6, 12AY6, 12AZ6, 12BA6, 12BB6, 12BC6, 12BD6, 12BE6, 12BF6, 12BG6, 12BH6, 12BI6, 12BJ6, 12BK6, 12BL6, 12BM6, 12BN6, 12BO6, 12BP6, 12BQ6, 12BR6, 12BS6, 12BT6, 12BU6, 12BV6, 12BW6, 12BX6, 12BY6, 12BZ6, 12CA6, 12CB6, 12CC6, 12CD6, 12CE6, 12CF6, 12CG6, 12CH6, 12CI6, 12CJ6, 12CK6, 12CL6, 12CM6, 12CN6, 12CO6, 12CP6, 12CQ6, 12CR6, 12CS6, 12CT6, 12CU6, 12CV6, 12CW6, 12CX6, 12CY6, 12CZ6, 12DA6, 12DB6, 12DC6, 12DD6, 12DE6, 12DF6, 12DG6, 12DH6, 12DI6, 12DJ6, 12DK6, 12DL6, 12DM6, 12DN6, 12DO6, 12DP6, 12DQ6, 12DR6, 12DS6, 12DT6, 12DU6, 12DV6, 12DW6, 12DX6, 12DY6, 12DZ6, 12EA6, 12EB6, 12EC6, 12ED6, 12EE6, 12EF6, 12EG6, 12EH6, 12EI6, 12EJ6, 12EK6, 12EL6, 12EM6, 12EN6, 12EO6, 12EP6, 12EQ6, 12ER6, 12ES6, 12ET6, 12EU6, 12EV6, 12EW6, 12EX6, 12EY6, 12EZ6, 12FA6, 12FB6, 12FC6, 12FD6, 12FE6, 12FF6, 12FG6, 12FH6, 12FI6, 12FJ6, 12FK6, 12FL6, 12FM6, 12FN6, 12FO6, 12FP6, 12FQ6, 12FR6, 12FS6, 12FT6, 12FU6, 12FV6, 12FW6, 12FX6, 12FY6, 12FZ6, 12GA6, 12GB6, 12GC6, 12GD6, 12GE6, 12GF6, 12GG6, 12GH6, 12GI6, 12GJ6, 12GK6, 12GL6, 12GM6, 12GN6, 12GO6, 12GP6, 12GQ6, 12GR6, 12GS6, 12GT6, 12GU6, 12GV6, 12GW6, 12GX6, 12GY6, 12GZ6, 12HA6, 12HB6, 12HC6, 12HD6, 12HE6, 12HF6, 12HG6, 12HH6, 12HI6, 12HJ6, 12HK6, 12HL6, 12HM6, 12HN6, 12HO6, 12HP6, 12HQ6, 12HR6, 12HS6, 12HT6, 12HU6, 12HV6, 12HW6, 12HX6, 12HY6, 12HZ6, 12IA6, 12IB6, 12IC6, 12ID6, 12IE6, 12IF6, 12IG6, 12IH6, 12II6, 12IJ6, 12IK6, 12IL6, 12IM6, 12IN6, 12IO6, 12IP6, 12IQ6, 12IR6, 12IS6, 12IT6, 12IU6, 12IV6, 12IW6, 12IX6, 12IY6, 12IZ6, 12JA6, 12JB6, 12JC6, 12JD6, 12JE6, 12JF6, 12JG6, 12JH6, 12JI6, 12JJ6, 12JK6, 12JL6, 12JM6, 12JN6, 12JO6, 12JP6, 12JQ6, 12JR6, 12JS6, 12JT6, 12JU6, 12JV6, 12JW6, 12JX6, 12JY6, 12JZ6, 12KA6, 12KB6, 12KC6, 12KD6, 12KE6, 12KF6, 12KG6, 12KH6, 12KI6, 12KJ6, 12KK6, 12KL6, 12KM6, 12KN6, 12KO6, 12KP6, 12KQ6, 12KR6, 12KS6, 12KT6, 12KU6, 12KV6, 12KW6, 12KX6, 12KY6, 12KZ6, 12LA6, 12LB6, 12LC6, 12LD6, 12LE6, 12LF6, 12LG6, 12LH6, 12LI6, 12LJ6, 12LK6, 12LL6, 12LM6, 12LN6, 12LO6, 12LP6, 12LQ6, 12LR6, 12LS6, 12LT6, 12LU6, 12LV6, 12LW6, 12LX6, 12LY6, 12LZ6, 12MA6, 12MB6, 12MC6, 12MD6, 12ME6, 12MF6, 12MG6, 12MH6, 12MI6, 12MJ6, 12MK6, 12ML6, 12MN6, 12MO6, 12MP6, 12MQ6, 12MR6, 12MS6, 12MT6, 12MU6, 12MV6, 12MW6, 12MX6, 12MY6, 12MZ6, 12NA6, 12NB6, 12NC6, 12ND6, 12NE6, 12NF6, 12NG6, 12NH6, 12NI6, 12NJ6, 12NK6, 12NL6, 12NM6, 12NN6, 12NO6, 12NP6, 12NQ6, 12NR6, 12NS6, 12NT6, 12NU6, 12NV6, 12NW6, 12NX6, 12NY6, 12NZ6, 12OA6, 12OB6, 12OC6, 12OD6, 12OE6, 12OF6, 12OG6, 12OH6, 12OI6, 12OJ6, 12OK6, 12OL6, 12OM6, 12ON6, 12OO6, 12OP6, 12OQ6, 12OR6, 12OS6, 12OT6, 12OU6, 12OV6, 12OW6, 12OX6, 12OY6, 12OZ6, 12PA6, 12PB6, 12PC6, 12PD6, 12PE6, 12PF6, 12PG6, 12PH6, 12PI6, 12PJ6, 12PK6, 12PL6, 12PM6, 12PN6, 12PO6, 12PP6, 12PQ6, 12PR6, 12PS6, 12PT6, 12PU6, 12PV6, 12PW6, 12PX6, 12PY6, 12PZ6, 12QA6, 12QB6, 12QC6, 12QD6, 12QE6, 12QF6, 12QG6, 12QH6, 12QI6, 12QJ6, 12QK6, 12QL6, 12QM6, 12QN6, 12QO6, 12QP6, 12QQ6, 12QR6, 12QS6, 12QT6, 12QU6, 12QV6, 12QW6, 12QX6, 12QY6, 12QZ6, 12RA6, 12RB6, 12RC6, 12RD6, 12RE6, 12RF6, 12RG6, 12RH6, 12RI6, 12RJ6, 12RK6, 12RL6, 12RM6, 12RN6, 12RO6, 12RP6, 12RQ6, 12RR6, 12RS6, 12RT6, 12RU6, 12RV6, 12RW6, 12RX6, 12RY6, 12RZ6, 12SA6, 12SB6, 12SC6, 12SD6, 12SE6, 12SF6, 12SG6, 12SH6, 12SI6, 12SJ6, 12SK6, 12SL6, 12SM6, 12SN6, 12SO6, 12SP6, 12SQ6, 12SR6, 12SS6, 12ST6, 12SU6, 12SV6, 12SW6, 12SX6, 12SY6, 12SZ6, 12TA6, 12TB6, 12TC6, 12TD6, 12TE6, 12TF6, 12TG6, 12TH6, 12TI6, 12TJ6, 12TK6, 12TL6, 12TM6, 12TN6, 12TO6, 12TP6, 12TQ6, 12TR6, 12TS6, 12TT6, 12TU6, 12TV6, 12TW6, 12TX6, 12TY6, 12TZ6, 12UA6, 12UB6, 12UC6, 12UD6, 12UE6, 12UF6, 12UG6, 12UH6, 12UI6, 12UJ6, 12UK6, 12UL6, 12UM6, 12UN6, 12UO6, 12UP6, 12UQ6, 12UR6, 12US6, 12UT6, 12UU6, 12UV6, 12UW6, 12UX6, 12UY6, 12UZ6, 12VA6, 12VB6, 12VC6, 12VD6, 12VE6, 12VF6, 12VG6, 12VH6, 12VI6, 12VJ6, 12VK6, 12VL6, 12VM6, 12VN6, 12VO6, 12VP6, 12VQ6, 12VR6, 12VS6, 12VT6, 12VU6, 12VV6, 12VW6, 12VX6, 12VY6, 12VZ6, 12WA6, 12WB6, 12WC6, 12WD6, 12WE6, 12WF6, 12WG6, 12WH6, 12WI6, 12WJ6, 12WK6, 12WL6, 12WM6, 12WN6, 12WO6, 12WP6, 12WQ6, 12WR6, 12WS6, 12WT6, 12WU6, 12WV6, 12WW6, 12WX6, 12WY6, 12WZ6, 12XA6, 12XB6, 12XC6, 12XD6, 12XE6, 12XF6, 12XG6, 12XH6, 12XI6, 12XJ6, 12XK6, 12XL6, 12XM6, 12XN6, 12XO6, 12XP6, 12XQ6, 12XR6, 12XS6, 12XT6, 12XU6, 12XV6, 12XW6, 12XX6, 12XY6, 12XZ6, 12YA6, 12YB6, 12YC6, 12YD6, 12YE6, 12YF6, 12YG6, 12YH6, 12YI6, 12YJ6, 12YK6, 12YL6, 12YM6, 12YN6, 12YO6, 12YP6, 12YQ6, 12YR6, 12YS6, 12YT6, 12YU6, 12YV6, 12YW6, 12YX6, 12YY6, 12YZ6, 12ZA6, 12ZB6, 12ZC6, 12ZD6, 12ZE6, 12ZF6, 12ZG6, 12ZH6, 12ZI6, 12ZJ6, 12ZK6, 12ZL6, 12ZM6, 12ZN6, 12ZO6, 12ZP6, 12ZQ6, 12ZR6, 12ZS6, 12ZT6, 12ZU6, 12ZV6, 12ZW6, 12ZX6, 12ZY6, 12ZZ6.



AI0175. Complete with speaker in cabinet; with tubes. **\$134.90**
YOUR PRICE

AI0176. Complete with tubes, less speaker. **\$123.80**
YOUR PRICE

WRITE FOR DETAILS OF TIME PAYMENT PLAN

MODEL LS-1 NOISE SILENCER UNIT

A compact unit designed especially for installation in the RME-69. Improves signal reception, especially on high frequencies. Becomes an integral part of receiver; combined with tuning and phasing control mounts on front panel. Instructions supplied.

AI0177. Complete with tubes, less speaker. **\$11.40**
YOUR PRICE WITH TUBES

- SIX BANDS—CONTINUOUS TUNING, 550 KC TO 32,000 KC (9 TO 350 METERS).
- CALIBRATED MICROVOLT "R" SCALE TUNING METER INDICATES CARRIER STRENGTH.
- BUILT-IN MONITOR WITH SEND-RECEIVE SWITCH.
- FULL ELECTRICAL BANDSPREAD ON ANY FREQUENCY BAND FOR ACCURATE TUNING.
- TWO ILLUMINATED 5 INCH DIALS—PLANE-TARY-VERNIER DRIVE.
- HIGH QUALITY WORKMANSHIP.

PEAK MODEL X-4 10 WATT 56-60 MC PHONE TRANSMITTER



A new high-efficiency 5 meter 'Phone transmitter for the Amateur. Rack mounting type with beautiful black wrinkle finish on panel and protective steel cabinet. Uses 1-6A6 as a unit coupled oscillator. Carrier power 10 watts. Speech amplifier uses 1-7B, 1-6A6 driver, and 1-6A6 Class "B" modulator capable of 100% modulation. Input for either single or double button carbon m.c. Meter with handy oscillator or modulator.

plug and cord indicates plate current of contains: Gain control, stand-by switch, mike current switch, frequency adjustment control handle, plate current meter, and pilot light. All R.F. circuits insulated with Isolite. The X-4 may be used with any conventional 5 meter antenna, particularly those having two wire line. Panel size 8 1/2" x 19"; cabinet size 8 1/2" high, 17" long, 7" deep. Does not include power supply, tubes, microphone or antenna.

AI0180. Less tubes, NET. **\$29.70**

AI0181. XSP POWER SUPPLY. For use with the X4 transmitter above. Supplies 300 volts at 200 MA-DC, 6.3 volts at 3 amps. Uses 1-83 tube. Rack mounting panel with cabinet. **\$23.40**

AI0182. Less tube, NET. **\$23.40**

PEAK Q5 Ultra HF Superhet

A 5 tube high-gain superhet for 2 1/2, 5 and 10 meter operation. Sensitivity and selectivity are unusually high. No "hiss"; extremely low background noise. Can be used with either 6.3 volt tubes (1-60, 2-60, 1-83, 1-85, 1-81 or 42) or with 2.5 volt tubes (1-57, 3-58, 1-55, 1-2A5). Features AVC, two I.F. stages, headphone jack, variable antenna coupling, copper-plated chassis, illuminated airplane dial, etc. Power output to loud speaker is 3 watts. May be operated from batteries or from A.C. power supply. Requires 250 V. D.C. for plates at approx. 30 MA. for long speaker operation. 2 1/2, 5 and 10 meter plug-in coils are supplied.



AI0182. Less tubes, NET. **\$21.60**

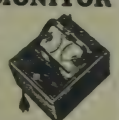
PEAK PRE-SELECTOR AND PRE-AMPLIFIER

Provides increased efficiency for your present short-wave receiver. Brings weak signals up tremendously. Will add sensitivity with complete rejection of image frequencies. Sharpens selectivity and decreases noise-to-signal ratio. Used extensively by the leading Amateur and Commercial stations. Invaluable for the Short Wave Listener. Has wavelength range from 14 to 200 meters without plug-in coils. Includes self-contained filament supply. Easily attached to any short-wave set, T.R.F. or Super. Uses only 2-8K tubes. Size 7 1/2" x 9 1/2" x 10".

AI0183. Less tubes, YOUR PRICE **\$19.80**

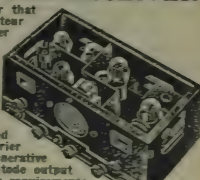
TRIPLITT MODULATION MONITOR

An absolute necessity in every Amateur Phone Station. Provides visual indication of carrier shift. Accurately measures percentage of modulation. More efficient than antenna meter calculations, aural modulation checks and loop-and-light measurements. Accurately calibrated at factory; uses type 78 tube which can be replaced without affecting calibration. By means of easily adjusted inductive coupling this unit may be used with phone rigs of any power rating. Tip-tilt dual meter can be read from any angle. Size 7 1/2" x 9 1/2" x 14". Wt., 11 lbs. With 76 tube. **\$24.33**



NEW RTL TR6A6 56-60 MC Duplex TRANSMITTER-RECEIVER

A complete transmitter and receiver that permits duplex operation in the Amateur 5 meter band. Receiver and transmitter each use newest, high efficiency circuit; individually shielded. The operator may talk and listen without throwing a switch as is required in transmitters, thus enabling duplex or break-in operation. Entire unit housed in a single sturdy steel case measuring 15" long, 7 1/2" deep and 7 1/2" high. Transmitter uses unit-coupled 6A6, with Class "B" modulation; carrier power 7 watts. Four tube super-regenerative receiver has tuned R.F. stage and pentode output with built-in dynamic speaker. Power requirements are 250 to 300 volts at 175 MA. and 6 volts at 3.6 amps. May be used for portable mobile or permanent station. Tubes required are: Transmitter, 2-6A6, 1-6BE6; Receiver, 1-7B, 2-7B, 1-42. Supplied less tubes, microphone, power-supply and antenna. 16 1/2" lbs. **\$39.75**



AI0190. Less tubes, YOUR PRICE. **\$25.00**

AI0191. 110 VOLT AC POWER SUPPLY. For use with TR6A6 described above. Complete with cables and plugs. Provides 300 volts D.C. at 175 MA. and 6.3 volts at 4 amps. Requires 1-523 rectifier tube. Less tube. YOUR PRICE. **\$5.88**

AT560. Universal Siegle Butten Handi-Mike, with 5 Ft. Cord. NET **\$5.88**

RTL "THE COMPACT" 56-60 MC Portable Transmitter-Receiver

A portable unit that is "at home" anywhere you may take it. Permits Duplex or Break-in QSO's without switches. Transmitter employs 1-80 as input amplifier, 2-56 as Class-B Modulator, and 2-10 as push-pull output stage. Carrier, 2 watts, 8 watts peak. Non-radiating receiver uses 1-34 TRF stage, 1-30 super-regenerative detector and the 2 watt audio system of the transmitter. Both the transmitter and receiver operate from the same antenna. Entire unit housed in 10 1/2" x 10 1/2" x 10 1/2" stainless steel case with leather carrying handle. Battery compartment in lower compartment. Requires 1-83 portable tube, 2-56 and 2-10 batteries, dry cells, and 1-4 1/2 volt "C" battery. Weighs only 25 lbs. with all batteries. Weight less batteries 20 lbs. **\$26.50**

AI0192. The Compact, Battery-operated Portable Transmitter-Receiver. Less tubes and accessories. **\$17.75**

AI0193. TELESCOPING ALUMINUM ANTENNA. For use with the Compact described above. Reinforced telescoping rod, adjustable from 3 1/2 to 9 feet. NET **\$1.75**

HAIGIS 5 METER PORTAPHONE JR. PORTABLE TRANSMITTER-RECEIVER

A complete amateur radiophone transmitter-receiver. For 56-60 MC operation. Extremely compact and entirely portable. Transmits and receives on same frequency without change of dial. Will supply 100 MA to antenna. Uses 1-80 or 1K-24 and 1-83 tubes. Exclusive Haigis circuit. Non-critical matched set sections. Tubes are required. May also be used at fixed station with elevated antenna for increased range. In rugged built steel case finished in black wrinkle enamel. Has space for 150 cells of B batteries as well as standard 300 volt. Card holders are attached to panel for log cards. Field notes, etc. Size 14 1/2" long by 7 1/2" high. Wt. 16 lbs. **\$14.94**



A9661. Haigis Portaphone, less tubes and batteries. YOUR NET PRICE.

Hammarlund Precision PRODUCTS

THE NEW HAMMARLUND "SUPER PRO"



SEPARATE POWER SUPPLY

The "Super-Pro" consists of two major units; the receiver proper, and the power supply with special connecting cable. Remote location of power supply reduces hum and prevents AC modulation of signals. Tubes used are: 5-6D6, 2-6C5, 1-6A7, 2-6B7, 2-7G, 3-42, 1-5Z5, 1-1V. For 110 v. 60 cy. A10050. Hammarlund Super Pro complete with Jensen speaker, power supply and tubes. Ship. wt., 20 lbs. List \$380.00 NET.

We can supply the Super-Pro with rack mounting panel and dust cover; also with power supply for other voltages. Write for prices.

Hammarlund Type "T" I. F. Transformers



Specially designed for experimental and replacement purposes. Double-tuned, with mica compression type condensers on insulating base. Adjustable from top of can. Coils are litz-wound and wax-impregnated. Aluminum shield can is 2 1/2" dia. 3 1/2" high. Base mounting by threaded lugs on 2" centers.

Untapped frequency C.T. List \$1.45.
A5350 175 K.C. A5352? List, \$1.45.
A5351 465 K.C. A5353? NET EA.....
A5355 465 K.C. Beat Oscillator.
List, \$1.45. YOUR PRICE.....

TYPE "ST" MIDGET

As above but in compact can, 1 1/2" square, by 2 3/4" high. Mfg. centers, 1 1/2". Untapped frequency C.T. List \$1.45.
A5356 175 A5358 NET
A5357 465 A5359 EA.....

HAMMARLUND "AIR-TUNED" I. F. TRANSFORMERS

For use where absolute stability is necessary. Air-tuned, with litz-wound coils. Provide gain in excess of 200 per stage with unequalled selectivity designed particularly for Screen Grid type tubes. Beat Oscillator has tuning lever to vary beat note. Can. 2 3/4" dia. 3 1/2" high.



Untapped frequency C.T. List \$4.50.
NET EACH
A5360 175 A5363
A5361 465 A5364
A5366 465 K.C. Beat Osc. \$2.65

NEW VARIABLE COUPLING TYPE VT I. F. TRANSFORMERS



A startling improvement in I.F. transformer design. Permits continuously variable selectivity from sharp peak to flat top required for fidelity. Consists of new triple pie-wound coils and air dielectric condensers, with variable coupling. Coupling may be fixed, or varied from front panel. Measure 2 1/2 x 5 1/2".

A5378. 465 K.C.
A5379. 175 K.C.
NET EACH..... \$3.23

A5385. VFC. Variable coupling mechanism for panel control of up to 4 transformers. NET..... \$1.47

HAMMARLUND CONDENSER COUPLING



Bakelized canvas insulation; brass bushings. Flexible; for ganging condensers, etc., without need of exact shaft alignment. For 1/4" shafts, 1 1/2" diameter. A5323. List, 60c. \$3.5c

FINEST PROFESSIONAL TYPE COMMUNICATIONS RECEIVER

- Electrostatically Shielded Input for Doublet Antenna
- Silver-Plated 5 Band Switch; No Plug-In Coils
- Two Tuned R.F. Stages on All Five Bands
- Four Air-Tuned I.F. Transformers
- Bandsread on Four H.F. Bands
- Variable Pitch Beat Oscillator for CW
- Visual Tuning Meter
- "Send-Receive" Switch

SIXTEEN TUBE CIRCUIT

Hammarlund's finest achievement in a professional receiver. Skillful engineering has produced a sixteen tube superheterodyne circuit possessing extreme selectivity and unusual high sensitivity. Embodies every conceivable worth-while advancement in receiver design. Five wave bands provide continuous coverage from 20 MC. to 540 KC. (15 to 560 meters). Main dial is calibrated in megacycles from 2.5 to 20 MC. and in Kilocycles from 540 to 2500 KC. Only the scale in actual use is visible.

\$223.44

A10051. Super Pro. Same as A10050, but equipped with Quartz Crystal Filter. List, \$410.00. YOUR PRICE.....

\$241.08

Time payments: The Hammarlund Super-Pro may be purchased on a convenient time payment plan if desired. Write for complete details.

HAMMARLUND TRIMMING AND PADDING CONDENSERS



EQUALIZERS

For balancing, neutralizing and trimming purposes. Mica dielectric; bakelite base. 1 1/2" x 1 1/2". Adjusting screw in center. A5374. 3-35 MMF. List, 30c. 18c
YOUR PRICE.....
A5375. 25-80 MMF. 24c
List, 40c. YOUR PRICE.....

NEW "MEX" EQUALIZER

Extremely small low-loss condenser. Set screw adjustment. Insulating base, with mica dielectric and phosphor bronze plates. 3 to 30 mmf. 1 1/2" x 1 1/2". A5376. List, 30c. NET..... 18c

TYPE IBT

A high grade mica padding condenser on a 1 1/2" x 1 1/2" diameter insulating base. Maintains original capacity setting, resisting moisture, temperature and vibration. With 4-36 mounting studs on 1 1/2" centers. No. Mmf. List NET
A5420 10-70 50c 35c
A5421 70-140 50c 25c
A5422 140-220 70c 41c

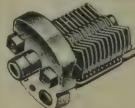
TYPE BBT

Single units. Same as Type IBT, but mounted on low-loss bakelite. 1 1/2" dia. No. Mmf. List NET
A5423 25-70 40c 24c
A5424 70-140 50c 25c
A5425 140-220 60c 35c

TYPE MICS

Single type adjustable mica condenser mounted on insulating base. Size of base is 1 1/2" x 1 1/2". Mounting centers, 1 1/2". Available in four standard sizes. No. Mmf. List NET
A5426 10-70 \$0.50 29c
A5427 70-140 .60 35c
A5428 140-220 .70 41c
A5429 600-1000 1.00 59c

NEW HAMMARLUND AIR PADDING CONDENSERS

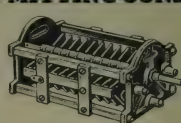


High quality air-dielectric condensers; compact in size. Particularly adaptable to S.W. and Ultra S.W. work. Insulating base. Air gap .015". Will fit 1 1/4" dia. cans. Screw-driver adjustment. No. Mmf. List NET
A5324 25 \$1.30 \$0.76
A5325 50 1.50 .88
A5326 75 1.70 1.00
A5327 100 1.90 1.12

5 BANDS-15 TO 560 METERS

The "Super-Pro" features a precision-built and aligned coil assembly, isolantite-insulated. Band changing is accomplished by a five position, multiple silver contact switch. Other features include: Variable Selectivity; A.V.C.; R.F. Gain Control; Visual Tuning Meter; Illuminated Tuning Dials; Stand-by Switch, etc. Supplied in metal table model cabinet in attractive black wrinkle finish. Receiver unit is 13" x 14 1/2" x 10 1/2"; power supply unit is 13" x 7 1/2" x 10 1/2". For 110 volts, 50/60 cycles A.C.

HAMMARLUND TRANSMITTING CONDENSERS



Especially suited to medium and low-power transmitter requirements. Isolantite insulation throughout for highest efficiency. Cast.

heavy-weight end plates provide rigid, vibrationless assembly and thorough shielding of condenser. Non-inductive; self-cleaning phosphor bronze rotor contact. High voltage types have round, polished plate edges to reduce flashover. 1/4" shaft extends 1 1/4" from panel mounting bushing. Width 4 1/2", height 3 1/2".

No.	Plates	Cap. Mmf.	Air Gap	Voltage Rating	NET
A5283	7	30	.192	6500	\$2.94
A5284	11	50	.192	6500	3.82
A5285	21	100	.192	6500	5.59
A5286	31	150	.192	6500	7.35
A5287	47	225	.192	6500	9.41
A5288	11	100	.080	3000	3.23
A5289	17	150	.080	3000	3.82
A5290	23	225	.080	3000	4.70
A5291	33	335	.100	3500	7.06
A5292	47	450	.080	3000	7.06
A5293	33	225	.080	2000	3.63
A5294	19	350	.038	1000	2.94
A5295	27	500	.038	1000	3.23

* Plain edges. Others are rounded.

Hammarlund Split-Stator Transmitting Condensers

Heavy duty construction. Isolantite insulation and smooth vibrationless operation contribute to the popularity of these dual section condensers. May be mounted directly on metal panels without rotor at ground potential reducing hand capacity; permits use of balanced tank circuits for permanent neutralization. Stators may be connected in series, providing a total capacity of one-half the capacity of one section at twice the breakdown voltage.

No.	Plates	Capacity Per Section	Per Plate Spacing	NET
A5260	13	240	.038	\$4.70
A5261	27	500	.038	5.29
A5262	11	100	.080	5.29
A5263	23	225	.080	6.47
A5264	11	50	.192	7.06
A5265	21	100	.192	10.58

* Plain edges. Others are rounded.

Hammarlund Precision PRODUCTS

Improved Hammarlund Midget Condensers



High quality midget condensers of improved design. Thoroughly insulated with isolantite. Brass plates .0225" thick with an .0245" air gap are securely fastened to the 3/4" shaft. Wide bearings at front and rear provide extra good contact. Clockwise rotation. Shaft to facilitate ganging.

extends beyond rear

No.	Plates	Min. Mmf.	Max. Mmf.	List	NET
A5300*	10	10	140	\$0.82	
A5301*	5	4	35	1.50	.88
A5302*	7	5	50	1.60	.94
A5303*	11	6	80	2.00	1.18
A5304	11	6	80	2.00	1.18
A5305*	14	6	100	2.25	1.32
A5306	14	6	100	2.25	1.32
A5307	14	7	140	2.50	1.47
A5308*	19	8	140	2.50	1.47
A5308	27	10	200	2.75	1.62
A5309	34	10	260	3.00	1.76
A5310	43	12	350	3.50	2.06

* Semi-circular plates. All others are Midline.

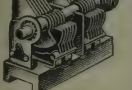
DOUBLE-SPACED MIDGETS

Special bearings and isolantite insulation allow exceptionally efficient operation of these condensers at ultra-high frequencies. Air-gap, .0715".

No.	Max. Mmf.	Min. Mmf.	List	NET
A5316*	25	6	\$2.00	\$1.18
A5317*	33	7	2.25	1.32
A5318	33	8	2.25	1.32
A5319*	50	8	2.75	1.62
A5320	50	7	2.75	1.62

* Semi-circular plates. All others are Midline.

DUAL MIDGET CONDENSERS



Rigid, high quality two-gang midget condensers, designed especially to provide a d d e efficiency at ultra-high frequencies. Plates are .0225" brass, with .0245" air-gap. Overall length behind panel, 3/4".

A5311.	100 MMF. PER SECTION.	Midline Plates. Minimum capacity 6 mmf.
A5311	100 MMF. PER SECTION.	Midline Plates. Minimum capacity 6 mmf.
A5312	140 MMF. PER SECTION.	Midline Plates. Minimum capacity 7 mmf.
A5313	140 MMF. PER SECTION.	Midline Plates. Minimum capacity 7 mmf.
A5314	140 MMF. PER SECTION.	Midline Plates. Minimum capacity 7 mmf.
A5315	140 MMF. PER SECTION.	Midline Plates. Minimum capacity 7 mmf.

List, \$3.50. NET EACH... \$2.06

A5312. 140 MMF. PER SECTION. Midline Plates. Minimum capacity 7 mmf.

A5313. 140 MMF. PER SECTION. Midline Plates. Minimum capacity 7 mmf.

A5314. 140 MMF. PER SECTION. Midline Plates. Minimum capacity 7 mmf.

A5315. 140 MMF. PER SECTION. Midline Plates. Minimum capacity 7 mmf.

Double-Spaced Dual Midgets

Similar to above dual condensers, but have air-gap of .0715" between adjacent rotor and stator plates. Ideal for compact 5 meter transmitters using 43's or 10's in push-pull.

No.	Max. Mmf.	Min. Mmf.	List	NET
A5321*	33	6	\$3.50	\$2.06
A5322*	33	6	3.50	2.06

* Semi-circular plates. Other in Midline.

BANDSPREAD MIDGET CONDENSERS

For use as bandspread tuning condensers in short wave receivers and for amateur frequency meters. "Tank" section may be locked, and all tuning may be done with bandspread section.



Stock No.	Tank Cap. Mmf.	Tuning Cap. Mmf.	List Price	NET Price
A5313	100	20	\$3.00	\$1.76
A5314	100	50	3.25	1.91
A5315	100	80	3.50	2.06

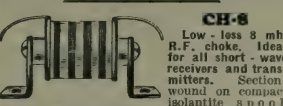
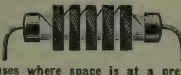
ALUMINUM TUBE SHIELDS

Complete isolation is afforded by this shield, allowing full use of the great amplification possibilities of the new high-gain RF pentodes. Drawn-in neck completes shielding between grid and plate of tube. Special design affords maximum cooling. 4 1/2" high, 1 1/2" diameter, 17/32" mounting centers.

A5398.	List, 40c.	
YOUR PRICE		24c

HAMMARLUND CHOKES CH-X MIDGET CHOKES

For receivers and low-power transmitters. Small size adapts these units to many uses where space is at a premium. Universal-wound. Thoroughly impregnated. Center core is of isolantite. May be mounted by its own leads in any position. D.C. resistance, 35 ohms. Rated at 2 1/2 MH, 125 MA. Size 1 1/2" x 3/4".

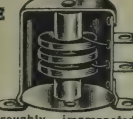


Moisture-proof windings are protected by lacquer and cellophane. Equipped with flexible leads and reversible end brackets for universal mounting. Especially suited for grid-choke use in multi stage transmitters. D.C. resistance, 70 ohms. Current rating 125 MA. Size, 1 1/2" x 3/4".

A5343.	List, \$1.10.	
NET		65c

CH-10-S SHIELDED CHOKE

A new shielded choke for use in high gain circuits. Completely enclosed in aluminum shell; has minimum external field. Eliminates circuit instability through stray coupling. Universal-wound; thoroughly impregnated. High inductance type with very low distributed capacity. Diameter, 1 1/2". Has removable mounting lugs. Inductance, 10 mh. D.C. resistance 65 ohms. 100 MA. capacity.



A5381.	List, \$1.00.	
NET		59c

CH-500 X'MITTING CHOKE

A heavy-duty choke. For use in high power transmitters employing parallel feed. Equally effective on an amateur band. Universal-wound on isolantite core. Has removable mounting brackets. Inductance 500 MA. D.C. resistance, 8 ohms. 500 MA. continuous rating. Size, 2 1/2" x 3/4".



A5345.	List, \$1.75.	
NET		\$1.03

NEW HAMMARLUND ISOLANTITE SOCKETS STANDARD SOCKET

Low-loss isolantite sockets ideal for all high frequency requirements. Have long leakage paths with positive rust-proof slide-gripping contacts. Have side groove for rapid insertion. Glazed top and sides. For sub-panel or base mounting. Standard 1 1/2" mounting centers.



A5338.	4 prong.	List, 60c.
A5340.	5 prong.	NET, EACH.
A5341.	6 prong.	
A5342.	7 prong (Medium).	
A5348.	7 prong (Small).	

ACORN TUBE SOCKET



Especially developed for the new RCA 955 and 954 Acorn type tubes which are now extremely popular in 1 to 10 meter receivers. Designed for ultra-high frequency use. Low-loss. Glazed isolantite base with alignment plug.

A5338.	List, \$1.50.	
YOUR PRICE		88c

Hammarlund "Star" Midget Condensers

A popular low priced midget for set builders, experimenters and laboratories. Sizes for short wave tuning, regeneration, antenna coupling, verniers, etc. Single hole mount. 1/2" shaft. Size, 1 1/4" x 1 1/2" high and up to 1 1/2" deep behind panel, depending on capacity.



No.	Type	Mmf.	List	Net
A5328	SM-15	15	\$0.85	49c
A5329	SM-25	25	.85	
A5330	SM-50	50	.90	53c
A5331	SM-100	100	1.00	58c
A5332	SM-140	140	1.25	73c

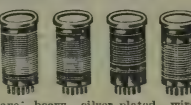
"STAR" DOUBLE-SPACED CONDENSERS

Similar to standard "STAR" condensers listed above, but with greater air-gap between adjacent rotor and stator plates, allowing use in low-power transmitter circuits.

A5333.	Max. capacity 35 mmf.	
List, \$1.00.	NET	59c
A5335.	Max. capacity 50 mmf.	
List, \$1.25.	NET	73c

HAMMARLUND "SWK" S.W. PLUG-IN COILS

Efficient, well-designed S.W. coils. Wound on low-loss XP-53 forms. High frequency. Coils secondaries have heavy silver-plated wire. Others have heavy enameled copper wire. For use with 140 mmf. condenser.



4 PRONG SOLETS: 17-270 METERS. Kit of 4, two-winding coils.	
A5367.	List, \$3.00.
NET	\$1.76
6 PRONG COILS: 17-270 METERS. Kit of 4, three-winding coils.	
A5368.	List, \$3.75.
NET	\$2.20

INDIVIDUAL "SWK" COILS

4 prong coils have two windings; 6 prong have three windings. For 140 mmf. condenser.

Range	4 Prong	6 Prong
17-41 Meters	A5390	A5392
33-75 Meters	A5391	A5393
NET		
EACH	59c	73c
66-150 Meters	A5394	A5396
135-270 Meters	A5395	A5397
NET		
EACH	44c	59c

Broadcast Coils: 250-560 Meters

A5369.	4 PRONG, two-winding coil.	
List, \$1.25.		
NET		73c
A5370.	6 PRONG, three-winding coil.	
List, \$1.50.		
NET		88c

NEW SWF LOW-LOSS COIL FORMS

Rugged low-loss forms; of XP-53. Ribbed for air-spacing, with flame grips. Have shelf inside for mounting padding condenser. 1 1/2" dia. x 2 1/2" long. Natural amber color.



A5371.	4 PRONG	
A5372.	5 PRONG	
A5373.	6 PRONG	

HAMMARLUND ULTRA SHORT WAVE COIL FORMS

Isolantite coil forms designed for maximum efficiency at ultra-high frequencies. Forms are 1 1/2" in diameter, 2" long exclusive of prongs, and have holes drilled to permit almost any type of experimental winding. Made only in five prong type. Ideal for coils tuning the 28 and 56 megacycle bands.



A5382.	List, 75c.	
YOUR PRICE		44c

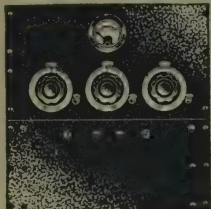
Answer Transmitters

NEW ALL-STAR TRANSMITTERS—BUILD THEM BY EASY STAGES

Every amateur can now build his own professional rack and panel transmitter from these new All-Star kits. You can assemble these units in a few hours with only a screwdriver, pliers, and soldering iron. Every detail of layout and wiring has been worked out for you. The completed job not only looks, but performs, just like the finest commercially built transmitter.



Start with the 40 watt CW unit; add the speech amplifier and modulator for a classy little 40 watt phone rig. High power? It's a cinch! Add the 500 watt R.F. amplifier for CW; add the 200 watt modulator, when you can afford it, and watch this 400 watt phone push out through the QRM. All panels cut and drilled to fit standard relay rack.



40 WATT RF UNIT

The ideal low power transmitter for the beginner, or for the old timer who wants to modernize his station. Consists of a 47 crystal oscillator and an 802 buffer driving the push-pull 802 amplifier. Requires no neutralization. Provides four band operation with only two crystals. Band changing is made easy by plug-in coils. Blocked grid keying of the amplifier stage effectively prevents key clicks. The complete kit contains all necessary parts, drilled and finished panel and chassis base, coil forms, condensers, etc. Less tubes and crystal. Requires 1-47 and 3-802 tubes. Instruction book furnished.

Power supply listed below.
A8510. 40 WATT KIT.
YOUR PRICE.....

\$33.25

LOW VOLTAGE POWER SUPPLY KIT

Complete kit of parts for the low voltage power supply; for use with the 40 watt R.F. unit. Has drilled and finished panel and chassis base, transformers, chokes, condensers, resistors, insulators, etc. Requires one type 83 tube. For 110 V. 50/60 cycles.

A8511. Less tube. NET.....

\$29.65

SPEECH AMPLIFIER AND POWER SUPPLY

May be used as a modulator for the 40 watt RF unit or as driver amplifier for the 200 watt modulator. Supplied with either T7994 transformer or T8054 driver transformer. Has input for carbon or crystal mike. Uses 2-6C6, 2-7E, 2-42, 1-83, and 1-82 tubes. Kit contains all necessary parts except tubes and microphone. Less tubes and mike.

A8512. With T7994 transformer. NET.....

\$35.50

A8513. Same as above but with T8054 driver transformer. Will adequately excite the class "B" 838 tubes in the 200 watt modulator to full output. NET.....

\$35.50

A9938. 38 1/2 INCH RACK. Standard 19" relay rack has ample room for the 40 watt RF unit, low voltage power supply, and the speech amplifier-modulator units. Shipped knock-down. Weight, 26 lbs. NET.....

\$8.70

ALL-STAR INSTRUCTION BOOK

16 complete pages of assembly data for the All-Star Transmitter. Clear concise instructions, photographic layouts, and detailed wiring diagrams make construction easy.

A11002. YOUR PRICE.....

15c

SECTIONAL RELAY RACKS



An ingeniously designed rack that fits every transmitter, or other equipment requirement. Start with the base and a section at a time as you wish. Whether you use one or several sections, this rack always presents a professional appearance. Side sections, front panels, and back panels are available in standard rack sizes (see the complete listings below). Sturdy, rigid assembly; louvers provide ample ventilation. Made of heavy steel finished in black crinkle enamel. Basic section can be placed on your desk or table; then as sections are added, rack may be placed on floor. When two or three sections have been added, your station begins to take on a professional appearance.

A5670. Base. Heavy cast steel. Size 20x15x2 1/4. Bolt holes provided for floor mounting. Black crinkle finish. NET.....

\$3.23

A5671. Top Cover. Inverted tray type; baked black crinkle finish. Size 20x14x2 1/4. NET.....

\$1.91

SIDE SECTIONS

No.	Size	Set of Two Sides	Net Each
A5672	3 1/2"x14 1/4"	\$1.18	
A5673	5 1/4"x14 1/4"	1.32	
A5674	7"x14 1/4"	1.46	
A5675	8 1/2"x14 1/4"	1.76	
A5676	10 1/2"x14 1/4"	1.97	
A5677	12 1/2"x14 1/4"	2.35	
A5678	14 1/2"x14 1/4"	2.65	
A5679	15 1/2"x14 1/4"	2.65	
A5688	17 1/2"x14 1/4"	2.94	
A5689	19 1/2"x14 1/4"	3.09	
A6390	21"x14 1/4"	3.23	

BACK SECTIONS

No.	Size	Net Each
A56391	3 1/2"x19	\$0.44
A56392	5 1/4"x19	.53
A56393	7"x19	.59
A56394	8 1/2"x19	.73
A56395	10 1/2"x19	.88
A56396	12 1/2"x19	1.03
A56397	14 1/2"x19	1.17
A56398	15 1/2"x19	1.32
A56399	17 1/2"x19	1.47
A56400	19 1/2"x19	1.62
A56401	21"x19	1.76

RELAY RACK BRACKETS

Provides easy mounting of chassis bases and sub-panels to relay rack panels. Made of sturdy auto body steel with black crystalline lacquer finish. Will absolutely prevent sagging of shelves which are heavily loaded.

Supplied in 3 sizes.
A7024. 5" Base Brackets. PER PAIR.....

35c

A7025. 8" Base Brackets. PER PAIR.....

56c

A7026. 11" Base Brackets. PER PAIR.....

73c

CHASSIS TRAY



May be used as either chassis base or tray. Made of heavy zinc-coated steel; rustproof. These trays are primarily intended for use with the sectional racks above, but may be adapted for use with any relay rack. Mounting brackets have oblong slots for easy assembly.

A7027. List, \$2.00. YOUR PRICE.....

\$1.18

CHASSIS FOR RELAY RACKS



These chassis bases are designed to fit all standard relay racks. Four sizes take care of every requirement. Made of auto-body steel; zinc-coating prevents rust. Provided with inverted flanges for mounting on protective bottom covers. Sides 3 in. high assure ample space for mounting parts below chassis. Bottom covers may also be used for complete circuit shielding. Ready machined. May also be used for receiver chassis bases.

No.	Size	NET
A6576	2 1/2"x17"x3"	\$0.88
A6577	7"x17"x3"	.97
A6578	10"x17"x3"	1.03
A6579	13"x17"x3"	1.47

METER PANELS



No need to scatter meters over all the panels in your rack. These panels allow all meters to be grouped together presenting a neat appearance. Made of heavy steel, finished in black crystalline lacquer; slotted to fit standard relay racks. Size 3 1/2"x19". Can be added to any relay rack adding to the professional appearance of the entire assembly.

Cat. No.	No. of Holes	Meter Size	NET
A7028	5	3"	\$1.41
A7029	5	3 1/2"	.97
A7030	5	3 1/2"	1.45
A7031	3	3 1/2"	.98

Transmitting Equipment

BLILEY MOUNTED CRYSTALS

Cut from the very finest raw Brazilian quartz, Bliley crystals are accepted as standard by Amateurs throughout the entire world. Precision ground in the world's finest crystal laboratory. Frequency calibrations given are arrived at by comparison with a standard crystal, resulting in a precise, accurately calibrated crystal.

A new crystal with many features. Frequency drift is less than 4 cycles per megacycle per degree C.; eliminates need for oven equipment; has greater activity. Mounted in new improved type sealed holder. Calibration is accurate to within .03%.

FREQUENCY WITHIN 0.1%			
No.	Band MC	NET EACH	
A2540	7.0		
A2541	3.5		
A2542	1.7		
EXACT FREQUENCY			
No.	Band MC	NET EACH	
A2543	3.5		
A2544	1.7		
A2545			

TYPE HF2
An entirely new crystal specifically designed for the higher-frequency bands. Available in two ranges; for 20 meter operation, and for multiplying into the 10 and 5 meter bands. Frequency drift only 20 cycles/MC/°C. Holder is of Victorin G for socket mounting. Within .2% of specified frequency.

FREQUENCIES	EACH
A2547. 14.0-14.4 MC.	\$7.50
A2548. 14.4-15.0 MC.	

TYPE BC3
Type BC3. Accurately calibrated X-cut crystal mounted in a molded bakelite holder, having exposed heat-radiating electrode. Plugs into 5 prong tube socket. Calibration is within .03%. Specify frequency with order.

STOCK NO.	Frequency Within	Band MC	NET EACH
A2525	±10 KC	7.0	
A2526	±10 KC	7.0	\$3.95
A2528	±5 KC	7.0	
A2529	±5 KC	7.0	\$4.90
A2531	±1 KC	7.0	
A2532	±1 KC	7.0	\$5.90
A2534	EXACT	3.5	
A2535	EXACT	3.5	\$7.50

BLILEY CRYSTAL HOLDERS

Molded bakelite holders for inch square crystals. Threaded screw top. Plugs into tube socket. Mounts in any position. Designed for two crystal sizes. A2537. 20-40 meter. A2538. 80-160 meter. NET EACH **\$1.00**

We can supply all Bliley products. Write stating your requirements and we will be glad to quote promptly.

INSULATED GRID CAPS

A2051. Standard size for re-celving tubes. Black insulation. NET EACH	8c
A2076. Large size for transmitting tubes such as 66, etc. Bakelite insulation. NET EACH	11c

PYROHM X-MITTING GRID LEAKS

200 WATTS		
Adjustable 200 watt vitreous enamel resistor. Scale marked on side. With brackets and slider.		
No.	Resist. Ohms	NET EACH
A1475	5,000	
A1476	10,000	\$1.76
A1477	20,000	
A1478	25,000	
A1479	50,000	
A1480	100,000	
A1481. Extra sliders. Each.		.9c

MIDGET STAND-OFF INSULATORS

Small glazed porcelain units. Inexpensive and efficient insulators for multi-stage rigs.

A6142. 2 inches high. Body 1 1/2" with 10-32 nickel plated brass hardware. **7c**

NET EACH

A6143. 1 1/4" high. Body 1" with 8-32 nickel plated brass hardware. **5c**

NET EACH

A6144. 1 1/4" high. Body 3/4" with 6-32 hardware. A tiny unit. **4c**

NET EACH

JACK TYPE
An assembly of 3" stand-off insulator and light duty jack. For low-power use. H6145. **9c**

NET EACH

FEED-THRU STAND-OFF INSULATORS

The ideal method of bringing leads through chassis bases, or through sub-chassis. Sturdy insulators of glazed porcelain. Universally accepted for transmitter use.

A2502. 1 1/4" high, 7/8" dia. base. Fits 1/2" hole. **15c**

NET EACH

A2503. 7/8" high, 3/4" dia. base. Fits 1/4" hole. **12c**

NET EACH

A2504. 3/4" high, 3/4" dia. base. Fits 1/4" hole. **7c**

NET EACH

JACK TYPE-FEED-THRU

Same units as listed above, but fitted with built-in jack on top. Jack fits standard GR plug.

H2505. 1 1/4" high, 7/8" dia. base; fits 1/2" hole. **18c**

NET

H2506. 7/8" high, 3/4" dia. base; fits 1/4" hole. **15c**

NET

GR TYPE JACKS & PLUGS

Banana type plugs. Prongs of tinned spring brass.

A2049. METAL JACK. **4c**

A2048. METAL PLUG. **4c**

DOZ., 42c. EACH

Insulated Type

A2044. RED JACK **6c**

A2045. BLACK JACK **6c**

100 FOR \$4.35

10 ASSTD., 48c. EACH

TRANSMITTING CONNECTORS

A6146. JACK. 1 1/4" high. Mounts with a 10-32 screw. **12c**

NET EACH

A6147. PLUG. Fits above jack. 1 1/4" diameter with 10-32 nut; has hole in end. Fits 1/4" copper tubing. **3c**

NET EACH

LO-LOSS TRANSMITTING 50 WATT SOCKET

For 50 watt tubes; flush mounting type. Positive contacts. Isoxet insulation. **59c**

A2649. List, \$1.50. YOUR PRICE

GIANT INSULEX TRANSMITTING SOCKET

For RCA 893, Raytheon RK-28, Sylvania 893A. Cadmium-plated phosphor bronze contacts. Low-loss ceramic base. Three oval-shaped slots for easy mounting. 5 prongs. **\$1.18**

A5563. List, \$2.00. NET

FOR TYPE 802 TUBE

A5564. Ceramic base. Phosphor bronze springs. Will fit all 7 prong tubes. **32c**

NET

TRANSMITTING COIL FORMS

An ideal inductance form for transmitters and for numerous other uses. Bakelite body, 2 1/2" diameter, 3 1/2" long, with moulded finger grip rim. Winding space, 3 1/2". Bore extending 3/4" insure low-loss air-core winding. Two styles: plain and grooved. Grooved forms are threaded 12 turns per inch for easy winding.

Plain Forms		Grooved Forms	
No.	Prongs	No.	Prongs
A2650	5	A2661	4
A2651	6	A2662	5
A2652	6	A2663	6
NET EACH		NET EACH	

44c **59c**

COIL FORMS

Low-loss coil forms of insul-ex. Particularly adapted for 20 and 10 meter operation. Threaded for No. 10 wire with plenty of holes for wire and supports. 20 and 40 meter coil forms 2 1/2" x 5". 80 and 160 meter coil forms 4" x 5".

For 20 and 40 Meters

A5696. Less supporting legs. \$0.73

A5697. With supporting legs.88

For 80 and 160 Meters

A5698. Less supporting legs. \$1.18

A5699. With supporting legs. 1.32

COIL MOUNTINGS

Jack and plug strips for use with above coil forms. Strip is of genuine Mycalex. The ideal high-frequency plug-in arrangement for multi-stage transmitters. Furnishes rapid means of changing pre-adjusted coils.

A5600. Plug-in base 5/16". 68c

A5602. Plug-in base 3/16". 73c

A5604. Jack base 5/16". Fits both bases above. 79c

SOFT DRAWN COPPER TUBING

For winding your own inductances. Made of seamless soft drawn copper, annealed. Bends easily. 1 1/2" wall. Maximum lengths, 25 feet.

Stock No.	Outside Diam.	NET PER FOOT
A2475	1/2"	3c
A2476	3/8"	4c
A2477	1/2"	5c
A2478	5/8"	7c
A2479	3/4"	8c
A2480	1"	12c

FLAT COPPER STRIP

May be wound flat or edgewise; for winding transmitting inductances. A2481. 1/16" thick, 3/4" wide. **5c**

PER FT.

JOHNSON X-MITTING SOCKETS

A6140. UX BASE. For type 10, 52 or other UX base tubes. Porcelain insulation with heavy spring contacts. List, \$1.00. **59c**

A6141. 50 WATT SOCKET. Porcelain base with heavy dual phosphor bronze contact springs. Cadmium plated. **88c**

List, \$1.50. NET

Alden 50 Watt Socket

A1750. A good 50 watt socket, moulded of Makalot for low loss. Triple lamination low loss contacts. With solder lugs and binding posts. List, \$1.00. **59c**

NET EACH

ACORN TUBE SOCKET

For 954 and 955 Acorn tubes. Low-loss, high frequency Ceramic base. Measures 1 1/4" dia., 5/8" high. **54c**

A5598. NET

Transmitting Equipment

RAYTHEON

TRIODES

Type No.	Cat. No.	NET
KK 10	A416	\$ 3.50
KK 16	A419	4.50
KK 18	A417	10.00
KK 24	A422	12.25
KK 30	A424	10.00
KK 31	A455	10.00
KK 32	A456	12.00
KK 34	A457	3.50
KK 35	A423	8.00
KK 36	A434	14.50
KK 100	A458	7.00
841	A459	3.25
842	A460	5.25
844	A425	1.60

Raytheon Amateur Tube Characteristics Folder Free on Request.



MERRILL LOW "C" TRANSMITTING INDUCTORS

Designed for maximum efficiency in either high or low power transmitters. Low dielectric losses; rigid construction. More efficient and less bulky than copper tubing coils. "T" series coils which are wound with No. 10 wire will stand 1 KW input. "B" series coils are for medium power rigs; "A" series are for Antenna Coupling.

No.	Type	Turns	Dia.	NET	No.	Type	Turns	Dia.	NET
A2675	20A	5	3 1/4	\$0.40	A2681	80B	38	2 1/4	\$1.00
A2676	40A	8	3 1/4	.60	A2682	160B*	38	4	1.20
A2677	80A	12	4 1/4	.80	A2683	20T	10	3 1/4	1.00
A2678	160A	16	5	1.10	A2684	40T	20	3 1/4	1.25
A2679	20B	11	2 1/4	.70	A2685	80T	28	4 1/4	1.50
A2680	40B	22	2 1/4	1.00	A2686	160T	42	5	2.00

* For use with 75 mmfd. capacitor. Other "B" and "T" coils use 35 mmfd.

OHMITE ULTRA H.F. CHOKE

A6805. Designed specifically for use in ultra-high-frequency receivers and transmitters. Wound on low-loss forms. 2" tinned leads for easy mounting are securely fastened and cannot pull out. Inductance 5.4 microhenries; resistance 0.85 ohms. Will carry 1000 MA. Size 1 1/2" x 5/8".

NET.....15c



CARDWELL MIDWAY CONDENSERS



RECEIVING TYPE

Airgap .031"; peak voltage 1000. May also be used in low power transmitters.

No.	Type	Mmf.	NET
A2840	MR-25-BB	26	\$1.35
A2841	MR-50-BB	50	1.41
A2842	MR-70-BB	70	1.50
A2843	MR-105-BB	105	1.56
A2844	MR-150-BB	150	1.62
A2845	MR-260-BB	260	1.85
A2846	MR-365-BB	365	1.94

TRANSMITTING TYPE

For medium power transmitters up to 100 watts C.W. or 30 watt 'Phone. Airgap .070"; peak voltage 3000; polished plates with rounded edges.

No.	Type	Mmf.	NET
A2850	MT-20-GS	20	\$1.68
A2851	MT-35-GS	35	1.82
A2852	MT-70-GS	50	2.06
A2853	MT-70-GS	100	2.32
A2854	MT-100-GS	100	2.59
A2855	MT-150-GS	150	3.23

MIDWAY DOUBLE CONDENSERS

CAT. NO.	TYPE NO.	MMF. Per Sec.	PEAK V. Per Sec.	PLATES Per Sec.	NET
A2833	MR-25-BD	25	1200	3	\$2.32
A2834	MR-50-BD	50	1200	5	2.47
A2835	MR-100-BD	100	1200	15	2.70
A2836	MR-260-BD	260	1200	25	2.94
A2837	*MT-20-GD	20	3500	5	2.97
A2838	*MT-50-GD	50	3500	11	3.04
A2839	*MT-70-GD	70	3500	15	3.32
A2834	*MT-100-GD	100	3500	21	4.70
A2835	MO-180-BD	180	2000	29	4.70

* Rounded Plate Edges.

CARDWELL TRIM-AIR MIDGET CONDENSERS



For use wherever high-quality midget condensers are required. Rigid assembly; mounted on insulator for minimum losses. For use as midget tuning or low power neutralizing condensers. Suitable for ganging.

No.	Peak V. Mmf.	NET
A2832	1000 10	\$0.73
A2856	1000 15	.73
A2857	1000 25	.82
A2858	1000 35	.88
A2859	1000 50	.94
A2860	750 75	1.00
A2861	750 100	.03
A2862	750 140	.85
A2863	4900 30	1.00
A2839	4900 4	.09

HIGH VOLTAGE NEUTRALIZING CONDENSER

A2830. Type V2-5-RS. Especially designed for use with 150-T's, 300-T's, HF-200's, etc., in plate modulated amplifiers. Mycalex insulation. 1/2" shaft with screw-driver slot and lock nut. Capacity range 2 to 35 mmfd.; airgap adjustable to .5". Peak voltage 12,000 V. NET.....\$11.02

TRANSMITTING TUBES

The complete line of Raytheon amateur tubes. Ruggedly built to give excellent service and long life at full rated output. A type for every amateur need is offered in the listing below.

PENTODES

Type No.	Cat. No.	NET
KK 17	A418	\$ 4.50
KK 28	A452	38.50

SHIELDED PENTODES

Type No.	Cat. No.	NET
KK 20	A415	\$15.00
KK 23	A428	4.50
KK 25	A427	4.50

RECTIFIERS

Type No.	Cat. No.	NET
KK 19	A416	\$ 7.50
KK 21	A450	5.00
KK 22	A451	7.50
866A	A423	4.00
872A	A424	18.50



EIMAC

TRANSMITTING TUBES

Transmitting tubes of merit. Feature vertical grid wires, tantalum plates and grids. Designed for high voltage, high frequency operation. Efficient at either low or high power input.

TYPE 150T

A1091. High power general purpose triode for frequencies up to 75 MC. Plate dissip., 150 watts. Class "C" output of 150-450 watts. Excellent class "B" modulator. YOUR PRICE.....\$24.50

TYPE 50T

A1090. General purpose triode for frequencies up to 75 MC. Plate dissip., 50 watts. Class "C" output 75 to 250 watts. YOUR PRICE.....\$13.50

TYPE 35T

A1089. Low-power general purpose triode. Fil.; 5 V. at 4 A.; Plate voltage 200 to 1500; Fil. dissipation 35 watts. Tantalum plate and grid. For use as H.F. oscillator or doubler. YOUR PRICE.....\$8.00

Ohmite Band Switch

For rapid band changing in high or low power Amateur transmitters. Low-loss construction; self-aligning low-resistance contacts handle up to 1 KW. May be ganged for single control. With mounting bracket and bakelite knob. Single-plate-three position type. NET.....\$1.76



CARDWELL STANDARD TRANSMITTING CONDENSERS



Extremely rugged, accurate and reliable. Rigid and vibration-proof. Peak voltage ratings are at 4 MC. Condensers rated at 4000 volts and over have polished, extra heavy plates with rounded edges. Improved brush type contacts. Ideal for use in Amateur transmitters; compact and easy to mount.

CAT. NO.	TYPE NO.	CAP. MMF.	PEAK VOLTS	NET
A2828	XT-220-PS	220	3500	\$ 2.35
A2829	XT-440-PS	440	3500	4.12
A2815	*XP-30-KS	30	4000	4.68
A2816	*XP-165-KS	165	4000	3.82
A2817	*XP-290-KS	290	4000	5.59
A2818	*XP-330-KS	330	4000	5.88
A2819	*XE-240-KS	240	4250	5.28
A2820	XG-110-KS	110	5250	5.29
A2821	TJ-150-US	150	5200	13.52
A2822	TJ-315-US	315	5200	18.32
A2811	*TZ-80-RS	80	12000	24.99

DOUBLE TRANSMITTING CONDENSERS

CAT. NO.	TYPE NO.	MMF Per Section	PeakVolts Per Sec.	NET
A2837	XT-80-PD	88	3500	\$ 2.94
A2838	XT-210-PD	214	3500	4.70
A2831	*XP-325-KD	325	4000	12.94
A2832	*XC-50-KD	50	5250	6.68
A2824	*XG-110-KD	110	5250	10.58
A2836	*TZ-40-RD	40	12000	27.19

† Mycalex standard. All others available with Mycalex insulation at slight additional cost.

HIGH FREQUENCY CONDENSERS

A new series of condensers developed for use in high-power, high frequency circuits. Ideal for 5 and 10 meter transmitters or for diathermy machines. Special construction for high efficiency with minimum losses.

CAT. NO.	TYPE NO.	CAP. MMF.	PEAK VOLTS	NET
A2825	*NP-35-GD	35	4000	\$3.53
A2826	JD-28-GD	28	4600	9.55
A2827	JP-48-GD	48	4000	9.55

* Insulator Insulation.

CARDWELL ROTOR LOCKING DEVICE

For use where dial or knob adjustment from the front of panel is not required. Locks rotor section securely to prevent vibration from disturbing condenser setting.

A2849. List. 60c.

NET.....35c



Transmitting Equipment

RCA de FOREST TRANSMITTING TUBES



The complete line of RCA de Forest transmitting tubes, accepted by Amateurs all over the world.

RCA-955 ACORN TUBE

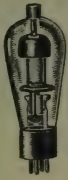
For frequencies up to 600 megacycles. Heater type triode for use as amplifier, detector or oscillator. Filament 6.3 volts, 0.16 amps.

Max. plate 180 V. at 4.5 MA. **\$375**

RCA-866A M. V. RECTIFIER

The standard half-wave mercury vapor rectifier. Fil. 2.5 v. @ 5A.. Maximum inverse peak voltage 10,000. Maximum peak current .6A. Now available at an attractive reduced price.

A231. NET.... **\$400**



Taylor Tubes

X'Mitting Types

"More watts per dollar." Custom-built tubes that can really "take it."



New Ultra H.F. Tubes

Operate efficiently at frequencies as high as 120 MC.

- T55. Oscillator, Amplifier. Plate dissipates 55 watts. **\$8.00**
- A1085. NET
- T155. Oscillator, Amplifier. Plate dissipates 155 watts. **\$19.50**
- A1086. NET
- T200. Oscillator, Amplifier. Plate dissipates 200 watts. **\$21.50**
- A1087. NET

General Purpose Tubes

- 866. Half-Wave mercury vapor rectifier.
- A1075. NET **\$1.65**
- T56. Oscillator, Doubler, Modulator. Dissipates 40 watts. **\$4.95**
- A1088. NET
- 825. Oscillator, Amplifier, Modulator. Dissipates 40 watts. **\$4.95**
- A1076. NET
- 203-B. (Metal Plate.) Audio and low-power R.F. amplifier. Dissipates 50 watts. **\$7.50**
- A1080. NET
- 841-A. H.F. Oscillator, Doubler, Amplifier. Dissipates 50 watts. **\$7.00**
- A1032. NET
- 845. Audio Amplifier, Modulator. Delivers 22 to 28 watts class A. **\$12.50**
- A1083. NET
- 203A. Oscillator, Amplifier, Modulator. Dissipates 100 watts. **\$12.50**
- A1077. NET
- 211C. H.F. Oscillator, Amplifier. Dissipates 100 watts. **\$12.50**
- A1081. NET
- HD203A. Oscillator, Amplifier, Modulator. Dissipates 150 watts. **\$17.50**
- A1079. NET
- 822. (Super HD203A.) Otc., Amp., Mod. Dissipates 200 watts. **\$18.50**
- A1084. NET

TRIODES AND PENTODES

Type	No.	NET
203A	A210	\$ 15.00
204A	A211	97.50
211	A212	15.00
800	A213	10.00
801	A214	4.50
802	A239	3.90
803	A241	38.00
804	A270	15.00
805	A271	18.00
830B	A265	10.00
837	A266	12.50
838	A272	8.50
840	A242	16.00
841	A243	6.00
842	A244	3.25
843	A217	3.25
844	A218	12.50
845	A219	18.00
849	A220	160.00
850	A222	37.50
852	A224	18.40
853	A225	32.50
864	A227	1.60
865	A228	12.75
868	A229	5.00
917	A245	5.00
918	A246	5.00
919	A268	6.00
920	A273	7.00
930	A248	3.25
951	A230	3.75
953	A274	.90
1602	A275	2.75
1603	A276	2.75

RECTIFIERS

Type	No.	NET
217A	A247	\$20.00
217C	A250	20.00
836	A267	11.50
866	A206	2.25
866A	A231	4.00
872	A232	16.50
872A	A233	18.50
878	A234	11.00
879	A240	3.00
885	A235	2.00

CATHODE-RAY TUBES

Type	No.	NET
903...	A251. 9 in. Electromagnetic Deflection	\$97.50
904...	A236. 5 in. Electrostatic-Magnetic Deflection	52.50
905...	A237. 5 in. Electrostatic Deflection	45.00
906...	A238. 3 in. Electrostatic Deflection	18.00
907...	A252. 5 in. Electrostatic Deflection	48.75
908...	A253. 3 in. Electrostatic Deflection	21.00
909...	A277. 5 in. Electrostatic Deflection	49.00
910...	A278. 3 in. Electrostatic Deflection	21.25
911...	A279. 3 in. Electrostatic Deflection	22.50
912...	A280. 5 in. Electrostatic Deflection	163.40

RCA TECHNICAL DATA

A248. Contains valuable technical and operating information on RCA-deForest Amateur Transmitting tubes. **10c**

TECHNICAL SUPPLEMENT

An addition to the technical bulletin above containing information on these new tubes: RCA 801, 802, 833, 850, 954 and 955. **10c**

BOTH FREE WITH TUBE PURCHASE

CATHODE RAY TUBE DATA

A complete booklet on the operation of Cathode Ray tubes. Detailed data of real value. A266. YOUR PRICE..... **25c**

OSCILLOSCOPE KIT



Amateurs and Experimenters can now build their own oscilloscope with this inexpensive kit. Will indicate audio distortion, R.F. wave form, percentage of modulation, etc. Kit contains neon tube with mounting clips, 3"x5" unbreakable mirror with motor shaft adapter, and complete instructions. **\$2.00**

AG227. Oscilloscope Kit. **\$2.00**
AG228. Neon tube only. **\$1.50**
YOUR PRICE.....

SPEED-X TRANSMITTING KEYS

NO. 301 AMATEUR'S KEY



A good standard key, sturdy constructed. Moulded bakelite base. Coin silver contacts. Arm and binding post chrome plated. **\$1.12**

A7961. NET

NO. 320 HEAVY DUTY KEY

Has 1/2 inch solid coin silver contacts. Well insulated. Black base. All other parts chrome plated. **\$1.76**

A7962. List, \$3.00. NET.....

NO. 310 STANDARD KEY



Skeleton design. Well constructed. Coin silver contacts. Black base with chrome plated parts. **\$1.32**

A7963. List, \$2.25. NET.....

NO. 300

Well-made practice key. Black base. All other parts chrome finish. **80c**



HI-SPEED AMATEUR NO. 501 KEY

A professional key fully adjustable from 8 words per minute to as high as desired. Will hold adjustment at all speeds. Coin silver contacts. **\$735**



A7964. List, \$12.50. NET.....

JUNIOR HI-SPEED KEY

Similar to No. 501 but smaller. A favorite among amateurs. Black lacquered finished base. Other parts chrome finish. **\$559**

A7965. List, \$9.50. NET.....

CODE PRACTICE SET

A Signal key and adjustable buzzer on polished wood base. Reproduces high-pitched code signals. **\$2.00**



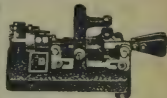
GAMMATRON 354

Outstanding in performance, the "354" is a favorite of Amateurs everywhere. It is a medium power general purpose triode with Tantalum elements, Tungsten supports, and Nonex class envelope. Fil. 5 V. at 10 A. Plate voltage 1000 to 4000 volts; dissipation 150 watts. Power output Class C, 300 to 950 watts. **\$24.50**

MAC-KEY

SEMI-AUTOMATIC KEY

Designed and built by T. R. McElroy, world's fastest telegrapher. Many new features assure easy and rapid transmission. Heavy cast base anchors key firmly to table. Contact points perfectly alignable. Vibrationless and stutter-proof. Easy to use and non-tiring. **\$795**



MAC OSCILLATOR

Of inestimable assistance to the beginner in learning the code. Provides pure tone adjustable at 600, 800, or 1000 cycles. Can be used to give constant check on keying of Amateur transmitter. Requires 2-7/8 tubes and a light bulb. For 110 volts A.C. or D.C. **\$3.95**

SPEED-X BUZZER

A professional constant frequency buzzer. Will hold its adjustment. Resists abuse. Works on 2 dry cells, or 1 "C" battery. **64c**



TEST BUZZER/PUSH BUTTON

Pearl button held in % in. hole by spring clasp. **16c**



Transmitting

THORDARSON TRANSFORMERS-CHOKES

A popular Amateur line offering a complete variety of transformer equipment for dependable power supplies. Heavily constructed, conservatively rated for assured long-lived performance. Types listed below are for 110-115 Volts, 50-60 cycles, 25 cycle, 110 volt primaries are available at 60% net additional. 220 volt, 50-60 cycle primaries can be had at 30% net additional.



Filament		PLATE TRANSFORMERS								
Cat. No.	Type	AC Volts		DC Volts		MA		Size		NET
A11156	T6280	1450 C.T.	525	150	6 1/4 x 4 1/4 x 4 1/4				\$ 5.29	
A11157	T7041	1450 C.T.	525	250	6 1/4 x 4 1/4 x 5 1/4				5.88	
A11158	T5448	1600 C.T.	680	150	6 1/4 x 4 1/4 x 3 1/4				4.70	
A11159	T7127	1600 C.T.	600	250	6 1/4 x 4 1/4 x 4 1/4				7.06	
A11160	T6412	1960 C.T.	750	350	8 x 6 x 6 1/4				10.58	
A11161	T6282	2670 C.T.	1000	500	11 x 6 1/4 x 6 1/4				20.58	
A11162	T6411	3200 & 2580 C.T.	1250	280	8 x 6 1/4 x 7 1/4				13.52	
A11163	*T6283	4700 C.T.	2000	250	11 x 6 1/4 x 6 1/4				21.17	
A11164	*T6284	4840 C.T.	2000	500	11 x 6 1/4 x 8 1/4				32.93	
A11165	*T6285	6260 C.T.	3000	380	11 x 6 1/4 x 10				38.22	
A11166	T5480	2540 C.T.	1000	400	8 x 6 1/4 x 6 1/4				12.94	
A11167	T6257	1500 C.T.	625	200	6 1/4 x 4 1/4 x 3 1/4				5.88	
A11168	T5303	930 C.T.	400	150	5 x 3 1/4 x 4 1/4				4.12	
A11169	T6095	1090 C.T.	450	250	6 1/4 x 4 1/4 x 3 1/4				5.88	

*Primary has 220 V. tap which may be used on 110 V. to reduce secondary voltage 50%.

FILAMENT TRANSFORMERS

Cat. No.	Type	Secondary Volts	Amps.	Insulation	Size	NET
A11184	T6413	7.5 at 2.5		1600	2 1/2 x 3 x 3 1/4	\$1.91
A11185	T6414	10.0 at 6.5		1600	3 1/4 x 3 1/4 x 4 1/4	3.23
A11186	T6415	11.0 at 10.0		1600	3 1/4 x 4 1/4 x 4 1/4	4.41
A11187	T6416	2.5 at 10.0		7500	3 1/4 x 3 1/4 x 4 1/4	3.23
A11188	T7046	5.0 at 3.0				
		5.0 at 3.0				
		5.0 at 4.0		5000	3 1/4 x 4 x 4	4.56
A11189	T7423	5.0 at 12.0 (Eimac 50T)		1600	3 1/4 x 3 1/4 x 4	2.94
A11190	T7424	5.0 at 26.0 (Eimac 150T)		1600	3 1/4 x 3 1/4 x 4 1/4	4.12
A11191	T6185	6.3 at 2.5				
		5.0 at 3.0		1600	2 x 2 1/2 x 2 1/4	1.18
		5.0 at 6.0		1600	2 x 2 1/2 x 2 1/4	1.18
A11192	T5469	2.5 at 10.0		1600	2 1/4 x 3 x 3 1/4	2.35
A11193	T6432	2.5 at 10.0		1600	2 1/4 x 3 x 3 1/4	2.06
A11194	T6399	5.0 at 3.0		1600	2 1/4 x 3 x 3 1/4	2.06

SWINGING CHOKES

Cat. No.	Type	Henries	MA	Ohms	Size	NET
A11198	T6405	10-30.3	150-0	200	3 1/4 x 3 1/4 x 4 1/4	\$ 2.94
A11199	T6315	12.3-38.4	280-0	175	4 x 4 1/4 x 6 1/4	5.00
A11200	T6316	8.2-17	500-0	70	5 x 5 1/2 x 6 1/2	8.23

FILTER CHOKES

Cat. No.	Type	Henries	MA	Ohms	Size	NET
A11201	T6409	19.7	150	275	3 1/4 x 4 1/4 x 4 1/4	3.23
A11202	T6408	23.6	280	190	4 1/4 x 4 1/4 x 6 1/4	5.88
A11203	T6410	16.5	500	110	4 1/4 x 6 1/4 x 6 1/4	10.00
A11204	T5450	12.9	250	121	3 x 3 1/4 x 4 1/4	2.94
A11205	T5319	7.2	120	290	2 x 2 x 2 1/2	.79

New Plate Modulation Transformer

Cat. No.	Type	Modulator Tubes	To Modulate	Sec. Imp.	Sec. M.P.A.	Max. Watts	NET
A11207	T8470	2-6L6 Class AB	.....	2500	150		
		2-35T Class B	.....	5000	200		
				7500	250	75	\$5.88

Plate and Screen Modulation Transformers

Have double secondaries for simultaneous modulation of plate and screen of R. F. Pentodes. Will allow complete modulation at high level without sacrificing carrier power.

Cat. No.	Type	Class	Sec. 1	Sec. 2	Sec. 3	MA	Watts	NET
A11105	T7994	2-42 A5	3000 Pl.	100				
		Class AB	2-802	800 Sc.	50	40	3.23	
A11106	T7861	2-46 or 59	1-RK20	13300 Pl.	75	40	4.70	
		Class B	or 1-805	532 Sc.	40	200	9.41	
A11107	T7826	2-801	2-RK20	6600 Pl.	150			
		Class B	or 2-805	264 Sc.	120	200	4.70	
A11108	T7827	2-800	1-RK28	13300 Pl.	150			
		Class B	or 1-803	2130 Sc.	100	200	12.94	

New Grid Modulation Transformers

Cat. No.	Type	Class	Sec. 1	Sec. 2	MA	Watts	NET
A11109	T6773	1-46 or 59	5400		10		\$2.35
A11139	T6774	2-45 or 23 Class AB	5000		20		2.94

THORDARSON TRANSMITTER MANUAL

A11206. Every amateur will want a copy of this valuable book. Contains a wealth of data on new up-to-the-minute circuits from 40 to 1000 watts as well as information on tubes, transformers, coils, modulation, etc. NET. **9c**

TRANSFORMERS AND CHOKES

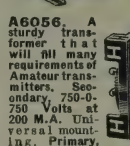
THORDARSON High Power TRANSFORMER

Ideally suited for use in low-power Amateur transmitters. Primary, 110 V. 50/60 cy. Secondaries: 1200 V. at 200 M.C.-C.T.; 7.5 V. at 3A.-C.T.; 5 V. at 3A.-C.T.; 2.5 V. at 10 A.-C.T.; fully shielded; lug terminals on all secondaries. Insulated leads on primary. Shpg. wt. 12 lbs. A11141. NET... **\$245**

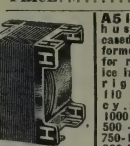


KNIGHT PLATE TRANSFORMERS

A1512. High quality, moderately priced plate transformer for medium and low-power transmitters. Fully enclosed in cast case with standoff insulator type terminals. Secondary, 1000-750-0-750-1000 Volts at 300 M.A. Primary, 110 V. 50/60 cycles. Sturdy construction; well-insulated. An exceptional value. Shpg. wt. 22 lbs. **YOUR PRICE... \$7.95**



A6056. A sturdy transformer that will fill many requirements of Amateur transmitters. Secondary, 750-0-750 Volts at 200 M.A. Universal mounting. Primary, 110 V. 50/60 cycles. Shpg. wt. 8 lbs. NET... **\$2.75**



A1510. A husky, uncaned transformer built for real service in "Ham" rigs. Pri. 110 V. 50/60 cycles. Secondary, 1000-750-0-750-1000 V. 500-0-500-750-1000 V. at 300 M.A. Universal mounting. Shpg. wt. 15 lbs. NET... **\$6.20**



KNIGHT FILTER CHOKES

A1513. Swinging Choke. Especially designed for input choke of transmitter or modulator power supplies. Capacity 200 M.A.; inductance 8-30 henries. Fully cased; insulated wire leads. A real value in a high-quality swinging choke. Size 3 1/4 x 3 1/4 x 4 1/4"; weight 6 lbs.

A1519. Smoothing Choke. For use as second choke in all medium or low-voltage power packs. Inductance 30 henries at 200 M.A.; 100 ohm D.C. resistance. Shielded type, insulated wire leads. Size 3 1/4 x 3 1/4 x 4 1/4". An efficient filter choke of high quality at an exceptionally low price. NET EACH... **\$2.10**

NET EACH... **\$2.10**

KNIGHT FILAMENT TRANSFORMERS

A1514. 2.5 Volts at 10 Amps. For 2-86's, or for several 2.5 Volt tubes. 5000 volts. 2 1/4" x 2 1/4" x 3". Weight 2 1/2 lbs. NET... **\$1.35**

A1515. 7.5 Volts at 4 Amps. and 2.5 Volts at 5 Amps. Ideal for use in low-power multi-stage rigs or speech-amplifier modulators. Size 2 1/4 x 2 1/4 x 3". Weight 2 1/2 lbs. NET... **\$1.55**

A1516. 6.3 Volts at 4 Amps. Designed for the new 6L6 Beam Power tubes, and for multi-tube receivers or transmitters. 2 1/4 x 2 1/4 x 3". Weight 2 1/2 lbs. NET... **\$1.30**



CORNELL-DUBILIER MICA TRANSMITTING CONDENSERS

A superior, high grade condenser, sturdily built of the highest quality materials; especially designed for use in transmitters and power amplifiers. Absolutely reliable. Voltage rating is conservative. Small in size but big in performance. CAN BE SUPPLIED IN SPECIAL LOW-LOSS BAKELITE CASES AT 15c EACH ADDITIONAL.

1000 Volts D.C. Test—600 Volts D.C. Working

TYPE 9				TYPE 4			
No.	Mfd.	NET		No.	Mfd.	NET	
A3915	.00005			A2720	.00005		
A3916	.0001			A2721	.0001		
A3917	.00025			A2722	.00025		
A3918	.0005			A2723	.0005		
A3919	.001			A2724	.001		
A3920	.002			A2725	.002		
A3921	.005	\$0.38		A2726	.005	\$0.41	
A3922	.008	.50		A2727	.008	.50	
A3923	.01	.82		A2728	.01	.68	
A3924	.02	1.09		A2729	.02	.91	

OIL-FILLED CONDENSERS

Ideal amateur transmitting condensers. Filled and impregnated with "Dykanol," a special oil with a very high dielectric constant. This special non-inflammable impregnate provides a maximum safety margin, and allows extremely compact, light-weight construction. Equipped with glazed porcelain high-tension insulators. Mounting lugs at bottom. Smaller capacities measure 1 1/4" x 1 1/4"; largest, 3 1/4" x 1 1/4". TYPE T.J.

No.	Mfd.	Volts	Ht.	NET	No.	Mfd.	Volts	Ht.	NET
A3940	1	600	2 1/4"	\$1.62	A3868	1	1500	4"	\$2.20
A3941	2	600	2 1/4"	2.06	A3869	2	1500	4 1/4"	3.67
A3942	4	600	2 1/4"	2.65	A3870	4	1500	4 1/4"	5.29
A3943	1	1000	2 1/4"	1.76	A3871	1	2000	3 1/4"	3.09
A3944	2	1000	4"	2.85					
A3945	4	1000	4 1/4"	4.12					



transmitting TRANSFORMERS AND CONDENSERS

JEFFERSON TRANSFORMERS

Highest quality transformers and chokes conservatively rated to insure a wide margin of safety. Each unit is the product of all the skill and knowledge that Jefferson engineering experience can provide. Built for best performance and continuous service.

FILAMENT & PLATE SUPPLY Transformers



An entirely new line of Amateur power supply components. Built to last and rated conservatively. Oversized construction throughout. All primaries are for 115 Volts, 50-60 cycles. All secondaries are center-tapped. Adequate insulation assures freedom from breakdown.

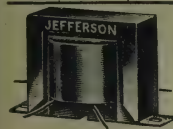


FILAMENT TRANSFORMERS

Cat. No.	Type	Secondary Volts	Amps.	Insulation	Size	NET
A6043	464-221	2.5 at 5.25	1500	2	3 1/2 x 3 1/2 x 1 1/2	\$0.82
A6044	464-221	6.3 & 5.0 at 4.0	1500	2 1/2	4 x 4 x 2 1/2	1.18
A6042	464-201	2.5 at 12.0	7500	2 1/2	4 x 4 x 2 1/2	1.18
A6045	464-241	10.0 at 7.0	5004	4	3 x 3 x 3 1/2	2.53
A6046	464-281	2.5 at 12.0	7500	4	4 x 3 x 3 1/2	3.53
A6047	464-271	7.5 at 6.5	2000	4 1/2	3 x 3 x 3 1/2	3.53
A6048	464-291	10.0 at 7.0	5000	4 1/2	3 x 3 x 3 1/2	3.53

PLATE TRANSFORMERS

Cat. No.	Type	AC Volts	DC Volts	MA	Size	NET
A6121	465-151	850-C.T.	350	125	3 1/2 x 4 x 4 1/2	\$2.94
A6122	465-161	1600-C.T.	650	150	3 1/2 x 4 x 4 1/2	5.94
A6123	465-171	1770-C.T.	750	200	4 x 5 x 4 1/2	7.06



CHOKES

Machine-wound for accuracy; thoroughly impregnated. Accurately rated to assure adequate filtering. Types for every transmitter and receiver requirement are listed below.



FILTER CHOKES

Cat. No.	Type	Henries	MA	Res.	Size	NET
A6125	466-230	50	80	1400	2 1/2 x 2 1/2 x 4 1/2	\$0.88
A6041	466-260	5	80	150	1 1/2 x 2 1/2 x 2 1/2	1.47
A6039	466-220	10	150	190	2 1/2 x 2 1/2 x 4 1/2	1.03
A6038	466-210	15	150	425	2 1/2 x 4 1/2 x 3 1/2	1.03
A6126	466-330	12	200	150	4 x 3 x 3 1/2 x 4 1/2	2.94

SWINGING CHOKES

Cat. No.	Type	8 to 2.7	50 to 150	80	3 1/2 x 2 1/2 x 2 1/2	\$1.32
A6127	466-190	6 to 3	120 to 200	75	3 1/2 x 2 1/2 x 2 1/2	1.47
A6128	466-300	15 to 5	70 to 200	95	3 1/2 x 4 1/2 x 4 1/2	2.94

CONTINENTAL TRANSMITTING CONDENSERS

Compact, high-voltage, non-inductive condensers especially designed for use in Amateur transmitters. Conservatively rated; will give maximum life and performance. Will withstand heavy overloads. Conservatively rated; will give maximum life and performance. "W" type condensers have binding post terminals mounted on highly efficient porcelain stand-off insulators, eliminating breakdowns and flash-overs at the condenser terminals. Condensers equipped with ears to facilitate mounting.

No.	Mfd.	Volts	Size	NET
A7880	1	1000	5 x 2 1/2 x 1 1/2	\$1.23
A7881	2	1000	5 x 2 1/2 x 1 1/2	2.85
A7882	4	1000	5 x 2 1/2 x 1 1/2	1.71
A7883	1	1500	5 x 2 1/2 x 1 1/2	2.29
A7884	2	1500	5 x 2 1/2 x 1 1/2	3.92
A7885	4	1500	5 x 2 1/2 x 1 1/2	2.09
A7886	1	2000	5 x 2 1/2 x 1 1/2	2.79
A7887	2	2000	5 x 2 1/2 x 1 1/2	5.29
A7888	4	2000	5 x 2 1/2 x 1 1/2	

H-TYPE
Midjet high voltage condensers similar to above, but with solder lug terminals on white porcelain insulators. Non-inductive; well impregnated; conservatively rated. In aluminum-finished metal containers.

No.	Mfd.	Volts	Size	NET
A7875	1	1000	3 x 2 x 2	\$1.03
A7876	2	1000	3 x 2 x 2	1.47
A7877	4	1000	3 x 2 x 2	2.65
A7878	1	1500	3 x 2 x 2	3.92
A7879	2	1500	3 x 2 x 2	1.91

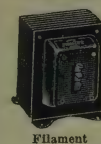
GENERAL ELECTRIC PYRANOL TRANSMITTING CAPACITORS

Attractive, durable transmitting condensers of the best quality. These condensers will give exceptional service and long life. Filled and treated with Pyranol, a non-flammable, non-explosive substance of unusual dielectric qualities. Hermetically sealed, with porcelain lead-out bushings. Equipped with mounting lugs for easy upright mounting.

No.	Model	Mfd.	Volts	NET
A5400	9CE5A21	1	600	\$1.61
A5401	9CE5A22	2	600	2.06
A5402	9CE5A24	4	600	2.65
A5403	9CE5A30	1	1000	1.76
A5404	9CE5A31	2	1000	2.68
A5405	9CE5A33	4	1000	4.12
A5406	9CE5A40	1	1500	2.20
A5407	9CE5A41	2	1500	3.67
A5408	9CE5A43	4	1500	5.29
A5409	9CE5A50	1	2000	3.09
A5410	9CE5A51	2	2000	4.70
A5411	9CE5A53	4	2000	6.46
A5412	9CE5A69	1	2500	8.24
A5413	9CE5A60	2	2500	10.00
A5414	9CE5A61	4	2500	14.70

G. E. Pyranol Transmitting Capacitors are available in voltage ratings up to 5000 volts D.C. Write for complete descriptions and prices.

STANCOR TRANSFORMERS-CHOKES



Filament

A newly designed, high quality line of Amateur power supply components. Each unit is sturdily designed and constructed; ratings are very accurate. All units listed below have 110-115 Volts, 50-60 cycle primaries. They may be had for 25 cycle, 110-115 Volts at 60% net additional, and for 220 Volts, 50-60 cycle at 15% net additional. All secondary windings are center-tapped.



Plate

PLATE TRANSFORMERS

Cat. No.	Type	Primary	DC Volts MA	Mtg. Area	NET
A11210	XP3010	105-115	500 or 400 at 175	4x3 1/2	\$ 4.70
A11211	XP3011	105-115	750, 500, or 600 at 250	4x5 1/2	8.82
A11212	XP3012	105-115	1000 or 750 at 400	6 1/2 x 7"	14.70
A11213	XP3013	105-115	1250 or 1000 at 500	7 x 7 1/2"	23.52
A11214	XP3014	105-115	2000 or 1500 at 250	7 x 7"	20.58
A11215	XP3015	105-115	2000 or 1500 at 500	7 x 7"	30.87

FILAMENT TRANSFORMERS

Cat. No.	Type	Secondary Volts Amps.	Insulation	Mtg. Area	NET
A11216	XP3027	7.5 at 6.5	1500	4x3 1/2"	\$2.94
A11217	XP3021	10.0 at 6.5	1500	4x3 1/2"	4.12
A11218	XP3028	5.0 at 3.0	1500	4x3 1/2"	2.06
A11219	XP3025	2.5 at 10.0	7500	4x3 1/2"	2.53
A11220	XP3030	2.5 at 10.0			
		5.0 at 3.0	7500	4x3 1/2"	2.94
A11221	XP3032	5.0 at 3.0			
		5.0 at 3.0	7500	4x3 1/2"	4.26
A11222	XP3033	5.0 at 3.0			
		7.5 at 2.5			
		2.5 at 5.0	1500	4x3 1/2"	2.94

SWINGING CHOKES

Cat. No.	Type	Henries	MA	Ins.	Size	NET
A11223	XC1400	8-40	175-0	2000	3 1/2 x 2 1/2 x 2 1/2	\$1.79
A11224	XC1401	8-30	200-0	2000	3 1/2 x 2 1/2 x 2 1/2	2.23
A11225	XC1402	8-30	250-0	2000	3 1/2 x 2 1/2 x 3 1/2	2.38
A11226	XC1403	8-25	300-0	3000	6 1/2 x 4 x 3 1/2	3.94
A11227	XC1404	8-25	400-0	3000	6 1/2 x 4 x 4 1/2	4.41
A11228	XC1405	8-25	500-0	5000	5 1/2 x 5 1/2 x 3 1/2	9.40

FILTER CHOKES

Cat. No.	Type	Henries	MA	Ins.	Size	NET
A11229	XC1421	25	140	1000	3 1/2 x 2 1/2 x 2 1/2	\$1.62
A11230	XC1420	20	175	1000	3 1/2 x 2 1/2 x 2 1/2	2.00
A11231	XC1411	18	200	2000	3 1/2 x 2 1/2 x 2 1/2	2.00
A11232	XC1412	15	250	2000	3 1/2 x 2 1/2 x 3 1/2	2.41
A11233	XC1413	12	300	3000	6 1/2 x 4 x 3 1/2	4.12
A11234	XC1414	10	400	5000	5 1/2 x 4 x 4 1/2	9.20

LATEST STANCOR TRANSMITTER GUIDE

A11240. A new manual full of circuits for C. W. and phone transmitters. Designs range from inexpensive low-power rigs to more complicated and costly circuits. Important transformer specification charts included. Every Amateur should have this book. NET. 12c

SPECIAL 4 MFD. 1000 VOLT PAPER CONDENSER

A popular size for use in Amateur transmitting power supplies. High quality at an exceptionally low price. Conservatively rated at 1000 Volts D.C. working, 2000 Volts D.C. test. In attractive metal case; 4 1/2" x 3 1/2" x 2 1/2", with heavy insulated wire leads. Easy to mount. Will give long, dependable service. Shpg wt., 5 lbs.

A7899. YOUR SPECIAL PRICE. \$1.95

MALLORY OIL-FILLED TUBULAR CONDENSERS TYPE OT



Designed especially for severe service, in Amateur transmitters and with many types of vibrators. Non-inductive, of low RF impedance and low power factor. Oil filled and oil-impregnated carefully, and effectively sealed in metal container. Unbeatable values at these low prices.

WORKING VOLTAGE 2000 VOLTS				
No.	Mfd.	Size	NET	
A2618	.0025	1 3/4 x 3 1/2	} 32c	
A2619	.005	1 3/4 x 3 1/2		
A2620	.01	1 3/4 x 3 1/2		
A2621	.02	2 1/4 x 3 1/2		35c
A2622	.03	2 1/4 x 3 1/2	"	38c
A2623	.04	2 3/8 x 3 1/2	"	41c
A2624	.05	2 3/8 x 3 1/2	"	44c

RADIO-BUILDERS SUPPLIES

Crystallized FINISHED CABINETS



WITH HINGED LIDS

Sturdy steel cabinets finished in black crystallized lacquer. Front and back panels, or bottom, easily removed. Front panels may be replaced with bakelite or other material. Ideal for receivers, transceivers, monitors, frequency meters, etc. Specially knocked-down for easy shipping. Can be easily assembled in a few minutes with only a screwdriver.

NO.	LENGTH	WIDTH	HEIGHT	NET
A9564	9"	8"	8"	\$1.45
A9565	10"	8"	8"	1.85
A9562	10"	8"	10"	2.00
A9566	12"	8"	8"	2.13
A9567	12"	11"	8"	2.62
A9567	14"	8"	8"	2.62
A9568	14"	12"	8"	3.42

TUBE SHIELDS

CLOSE-FITTING TUBE SHIELDS FOR ST12 BULBS



Space-savers. Replace old shields; also for spray-shield type tubes. Body consists of two snug fitting identical half shields with cap and base assuring perfect fit.

For large and small dome-sized tubes such as 1A6, 2A7, 38, 75, 89, 12A5, 57, 58, etc.

A9565. For short tubes with grid caps, as 1A6, 2A7, 38, 75, 89, etc.

A9566. For short tubes with-out grid caps, as 6V5, 12A5, 27, 58, etc.

A9567. For long tubes with grid caps, as 6C6, 6D6, 57, 58, etc.

A9568. For long tubes without grid caps.

NET EACH. LOTS OF 10.....50c

For S14 and ST14 Bulbs

A9563. For S14 straight side tubes such as 2A4, 27, 32, 35, etc.

A9564. For ST14 dome-shaped tubes such as 2A4, 32, 35, 2A5, 01A, 26, 45, 71A, etc.

NET EACH. LOTS OF 10.....50c

UNIVERSAL METAL CHASSIS

An ideal chassis base for experimenters. Has speaker cutout, mounting slots and holes for various parts, and 5 socket holes. Measures 9 1/2"x25" with 1 1/2" sides. May be used for 4 or 5 tube set and many other applications. Parts may be mounted to fit in any position. Stamped from heavy-gauge steel.

A9122. YOUR PRICE ONLY.....15c

A9123. Bracket for Volume Control.....3c

A9124. Mounting bracket. Suitable for coil shield.....5c

VENTILATED 3 PIECE SHIELD

For ST12 bulbs, such as 55, 57, 2A7, etc. Made of aluminum; well-ventilated, with curled-in neck to hold tube. Shield measures 1 1/2" dia. 3 1/2" high. 1 1/2" high overall with cap which is slotted for grid lead. With base and cap.

No. Mfg. Centers EACH

A5115 12 1/2".....10c

A5117 15 1/2".....10c

Lots of 10, 80c. 100 lots, \$6.60.

2 PIECE STANDARD TUBE SHIELDS

Aluminum shields for 24, 27, 35, etc. type tubes. 5 1/2" high, 1 1/2" diameter. Lug screws attached to bottom. Mounting centers 1 1/2"x2 1/2". Slotted for grid wire. Ventilated at top and bottom.

A1960 PER 10.....\$0.98

PER 100.....8.25

NET EACH.....12c

RF COIL SHIELDS

Of drawn copper, cadmium-plated. 3" dia. 3" high. Holes for leads run in bayonet lock type base.

A9225 YOUR PRICE.....10c

LOTS OF 10.....85c

Electralloy Shield Cans

Shield cans made of non-corrosive non-magnetic metal, with drilled and tapped corner posts. Easy to cut and drill. Shipped knocked down.

No. Size NET

A5650 8x 8x6.....\$1.76

A5651 6x 6x6.....1.62

A5652 9x 5x6.....1.47

A5653 5x 5x6......32

A5654 4x 5x6.....1.18

A5655 10x 8x6.....2.06

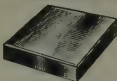
A5656 10x 7x6.....1.87

A5657 12x10x6.....3.00

A5658 18x 9x6.....3.95

A5659 12x 6x6.....1.62

RADIO METAL CHASSIS BASES



For use in constructing radio sets and amplifiers. Two types listed. Ternplate is heavy lead-coated steel. Solders easily. Electralloy is a rust-proof non-magnetic metal which is easy to drill and cut and which solders readily. Chassis bases are 2 or 3 inches high, with open bottoms. Folded on 4 sides. Undrilled. Wts. 3 to 7 lbs.

TERNPLATE

A9550. 7"x9"x2".	40c
YOUR PRICE.....	
A9551. 7"x11"x2".	45c
YOUR PRICE.....	
A9552. 7"x13"x2".	50c
YOUR PRICE.....	
A9553. 10"x12"x3".	55c
YOUR PRICE.....	
A9554. 10"x17"x3".	75c
YOUR PRICE.....	
A9555. 10"x23"x3".	85c
YOUR PRICE.....	

ELECTRALLOY

A9556. 7"x9"x2".	65c
YOUR PRICE.....	
A9557. 7"x11"x2".	78c
YOUR PRICE.....	
A9558. 7"x13"x2".	88c
YOUR PRICE.....	
A9559. 10"x12"x3".	96c
YOUR PRICE.....	
A9560. 10"x17"x3".	\$1.23
YOUR PRICE.....	
A9561. 10"x23"x3".	\$1.45
YOUR PRICE.....	

RUBBER PANELS

Special black hard rubber compound panels. Smooth finish. 3/4 inch thick. Will not warp.

No.	Size	EACH
A5625	7x 9	\$0.39
A5616	7x 9	.38
A5617	7x12	.58
A5618	7x14	.68
A5619	7x18	.85
A5620	7x21	1.03
A5621	7x24	1.18
A5622	7x26	1.40
A5623	7x30	1.75

BAKELITE PANELS

High quality black bakelite panels. Smooth polished finish. 3/4 inch thick. Supplied in standard sizes listed, or cut to specified size.

No.	Size	EACH
A5625	7x 9	\$0.59
A5626	7x 9	.85
A5627	7x12	1.15
A5628	7x14	1.30
A5629	7x18	1.60
A5630	7x21	1.80
A5631	7x24	2.10
A5632	7x26	2.30
A5633	7x28	2.55
A5634	7x30	2.87

CUT TO SIZE
3/4 inch thick. 13c
Per square inch. 4
Please remit with order for special sizes.

RADIO REPAIR CEMENT



For repairing radio coils and speaker cones. Kit consists of one can of cement, one can of thinner and a handy brush.

A2930. NET.....34c

Black Crystallizing Lacquer

Will cover any metal surface with attractive black crystalline finish. Easily applied with brush or spray-gun. 20 minute air-drying.



A1950. 2 oz. Can. YOUR PRICE.....21c

A1951. 8 oz. Can. YOUR PRICE.....73c

A1953. 1 pt. Can. YOUR PRICE.....\$1.25

METAL PANELS

Electralloy

Non-magnetic, stainless sheet metal. Ideal for all radio work requiring metal panels. Has beautiful dull silver finish. Easy to drill and cut. No. 16 gauge, about 1/16 inch thick.

No.	Size	EACH
A5605	7x12	\$0.35
A5606	7x14	.38
A5607	7x16	.47
A5608	7x18	.52
A5609	7x21	.58
A5610	7x24	.71
A5611	7x24	.79
A5612	7x30	.98
A5613	36x36	5.29

We can supply electralloy panels cut to any size, at 1c per square inch. Minimum order.....95c

Aluminum

Hard-tempered, commercially pure aluminum sheets. Have bright silver finish. Very popular with set-builders and Amateurs. Durable and attractive. No. 16 gauge about 1/16 in. thick.

No.	Size	EACH
A5635	7x10	\$0.44
A5636	7x12	.54
A5637	7x14	.53
A5638	7x16	.75
A5639	7x18	.85
A5640	7x21	.95
A5641	7x24	1.30
A5642	7x30	1.30
A5643	24x36	5.35

CUT TO SIZE
About 1/16 inch thick. Per Square Foot.....95c
(Minimum order, 95c)

FINISHED METAL PANELS

Heavy gauge cold rolled sheet steel finished on both sides in beautiful black crackle. Popular sizes to go with chassis bases listed above.

NO.	SIZE	EACH
A5645	7"x10"	.38c
A5646	7"x12"	.44c
A5647	7"x14"	.51c
A5648	8"x18"	.66c

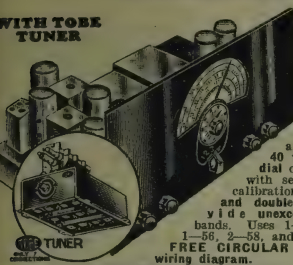
CHASSIS SERVICE

A new ALLIED service for set-builders. We will form and punch any chassis to your specifications. Charges are as follows: Drilling small holes up to 1/16" inclusive—10c per dozen; holes larger than 1/16" or cutouts of special design are priced slightly higher. Transformer cutouts, 25c each; cutting, notching and forming chassis, 35c. Minimum charge is 95c. This does not include the chassis base (or metal for it). Blank chassis bases, or sheet Electralloy and Aluminum are listed on this page. Send scale drawing with dimensions and hole sizes clearly marked. Chassis bases may be up on final sales basis only; deposit of 95c must accompany order.

LATEST RECEIVER KITS

POPULAR BROWNING 35 ALL-WAVE KIT

WITH TOBE TUNER



An easy to build All-Wave Kit for discriminating S.W. fans. Includes the completely assembled, wired and tested To be tuning unit. Tunes 13.3 to 550 meters continuously in 4 full bands with no skips. Sensitivity and selectivity are extremely high. Has 40 to 1 ratio micro-vernier dial calibrated in megacycles; with separate scale for vernier calibration. Built-in preselection and double band-pass I.F.'s provide unexcelled selectivity on all bands. Uses 1-2A7, 1-2A6, 1-2A5, 1-50, 58 and 1-80 tubes. Send for FREE CIRCULAR showing parts list and wiring diagram.

COMPLETE BROWNING 35 KIT

Contains all necessary parts for the complete receiver except tubes, speaker, and cabinet. Includes: drilled and finished chassis and panel, complete To be tuning unit, I.F. transformers, condensers, resistors, wiring diagrams, detailed instruction book, etc. Nothing else to buy except tubes and speaker.

AIO230. YOUR PRICE..... \$39.90
AIO231. Browning Kit as above, but metal tube model. Requires 1-6A8, 2-6K7, 1-6C5, 1-6F5, 1-6H6, 1-6F6 and 1-80 tubes. NET..... \$41.65

TOBE 35 TUNER UNIT

Completely assembled, wired, tested and aligned All-Wave tuner unit; two color battle dial, dial cards, potentiometer, oscutcheons, dial light bracket, grommets, etc.

AIO232. YOUR PRICE..... \$18.60

BASIC UNIT KIT

Contains drilled and finished chassis and panels, 2-I.F. transformers, Beat Oscillator, power transformer, 5 full-size wiring diagrams and instruction book with detailed construction data.

AIO234. YOUR PRICE..... \$11.60
A9618. Wright-De Coster 10" Dynamic speaker \$4.10
AIO233. Black Damaskene Metal Cabinet. \$4.80
 17 1/2"x9"x11 1/2". NET

TOBE AMATEUR RECEIVER KIT

Designed exclusively for Amateur Band operation and for adjacent channels. Based on, and very similar to the Browning 35. All critical circuits air-trimmed for extreme stability. Features exceptionally wide bandspread on the Amateur 160, 80, 40 and 20 meter bands; fractional micro-volt sensitivity; extreme selectivity; I.F. gain control; AVC (on or off); single tuning control; adjustable pitch Beat Oscillator; stand-by switch, and many other outstanding features. Kit contains all parts necessary with exception of tubes, speaker and cabinet; with complete constructional data.

FREE PARTS LIST ON REQUEST. \$47.40

AIO235. COMPLETE KIT. YOUR PRICE.....

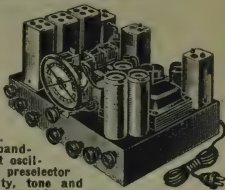
CATHODE RAY TUNING UNIT

An inexpensive visual tuning indicator using the new Electron-Ray tube. Quickly and easily installed in any Broadcast, All-Wave, or Short Wave set having AVC, but which is not equipped with visual tuning device. Requires 6.3 volts for filament. Complete assembly with color-coded cable and instructions, less tube.

A1978. NET 73c
A268. R.C.A. 6E5 Cathode Ray tube. For use with above 88c
 indicator. List, \$1.50. NET

MEISSNER ALL-WAVE 8 METAL TUBE KIT

A brand new All-Wave receiver kit with every modern feature. Anyone can easily build this exceptionally fine set; you need only a screw-driver, pliers and a soldering iron. Comes to you with a 1 coil, condensers and trimmers completely assembled and factory balanced. Features: Continuous tuning range from 540 K.C. to 25 M.C. (15 to 550 meters) in 4 bands; Iron-core I.F. transformers; micromatic electrical bandspread; calibrated tuning dial; beat oscillator; automatic volume control; preselector stage; 3 gang condenser; sensitivity, tone and volume controls; 8 all-metal tubes: 1-6C5, 2-6K7, 1-6A8, 1-6H6, 1-6F6, 1-6F5, 1-524. Operates on 110 volts, 60-60 cycles.



COMPLETE KIT OF PARTS

Consists of: Foundation Unit (described below), coil and condenser kit, and all necessary resistors, condensers, switches, sockets, wire, hardware, diagrams, etc. for the complete construction of the Meissner All-Wave Metal Tube Receiver. Less only tubes and speaker.

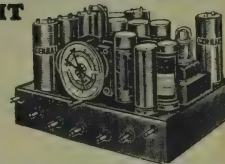
AIO240. YOUR PRICE..... \$32.45
AIO241. FOUNDATION UNIT. Consists of drilled and punched chassis base, finished front panel, and complete constructional data, which shows how to assemble and wire the entire receiver. NET..... \$2.06

AIO242. COIL AND CONDENSER KIT. Consists of antenna coil, RF coil and oscillator coil, assembled with band change switch and aligned; 2 iron-core I.F. transformers; beat oscillator coil; Dejong 3 gang tuning condenser with calibrated dial. NET..... \$17.92

AIO999. KNIGHT 3 1/2" DYNAMIC SPEAKER for above kit. Output transformer matches 6F6; 1000 ohm field. NET..... \$2.90

Gen-Ral Super DX8 Professional SHORT WAVE KIT

A completely engineered professional type 8 Tube Short Wave Superhit, ready for construction. Tunes 17 to 200 meters (1.5 to 18 megacycles) in 4 bands. Features continuous Bandspread Tuning, Beat Oscillator for C.W. reception, Tuned R.F. stage, stand-by switch, manual or Automatic Volume Control, latest tubes, pi-wound I.F.'s, optional Crystal Filter, etc. Uses 2-58, 1-2A7, 1-2A6, 1-2A5, 2-56, 1-80 tubes. The Coil Kit is completely assembled, wired and aligned. Bandspread Condenser Unit and Airplane Dial are assembled. Send for detailed Parts List and Wiring Diagram.



COMPLETE KIT OF PARTS

Consists of Foundation Unit including drilled chassis base and finished front panel; assembled 4 band Short Wave Coil and Switching unit; assembled 3 gang condenser and dial unit; transformers, condensers, resistors, sockets, hardware, instructions, diagrams, etc. Less speaker and tubes.

AIO245. YOUR PRICE..... \$32.75
AIO246. FOUNDATION UNIT. Consists of drilled and punched chassis base, finished front panel and constructional data. NET..... \$2.06

AIO247. COIL AND CONDENSER KIT. Consists of assembled Gen-Ral 4 band short wave coil unit, with 2-I.F.'s, beat oscillator, and Dejong bandspread condenser. NET..... \$18.25

A9598. Matched 8 1/2" Dynamic speaker, with 4 ft. cord and plug. NET..... \$3.10

LOW-PRICED PURE D.C. POWER PACKS

MODEL XPC

An efficient power supply for Short Wave receivers or small transmitters using 2-45 tubes. Delivers 300 volts pure D.C. at 65 M.A., tapped at 180, 90 and 22 1/2 Volts. Also supplies 2 1/2 Volts C.T. at 3 amps. for filaments. Requires type 80 tube. Mounted on sturdy steel chassis finished in black crackle finish. Completely wired and tested.

A9190. YOUR PRICE..... \$4.95

MODEL XC

An ideal power supply for low-power transmitters or for crystal or buffer stages. Delivers 300 volts pure D.C., untapped, at 65 M.A., and 2 1/2 Volts A.C. center-tapped at 4 amps. for filaments. Very substantially built on a steel chassis, in black crackle finish. For 115 Volts, 60 cycles. Requires type 80 tube. Built of good quality parts for long, dependable life.

A9191. YOUR PRICE..... \$3.95

MODEL O-1 POWER PACK

A power supply for the Amateur X-mitter using 3 or 4-210 tubes. 450 V. D.C. at 150 M.A. and 7 1/2 V. C.T. at 5 A. Steel chassis, black crackle finish. Operates on 115 V. 60 cycles. Requires type 82 tube. Weight 13 lbs.

A9196. YOUR PRICE..... \$7.65

MODEL 00-1 POWER PACK

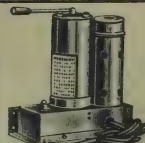
For use with Class "B" Modulators or X-mitters using 4-46 or similar type tubes. 450 V. D.C. at 150 M.A., and 2 1/2 V. C.T. at 6 A. For 115 V. 60 cycles.

A9197. YOUR PRICE..... \$7.65

Power Pack for S.W. Sets

Especially designed for Short Wave Receivers, Hum-free. Substantially built. Delivers 250 Volts D.C. at 40 M.A., tapped at 22 1/2 and 90 volts; 2 1/2 Volts C.T. at 5 amps. for filaments. Chassis size, 7 1/2 x 1 1/2 inches. Weighs 4 lbs.

A9198. MODEL J. \$4.95
 Requires one 80 tube.
A9198. MODEL J. \$4.95
YOUR PRICE.....



RCA BEAT OSCILLATOR

Will enable you to listen to code signals or tune in weak signals on any broadcast or S.W. Super. Requires 1-68, or 1-6D6 tube. Range 415-700 K.C. Size 7 1/2"x2 1/2"x1 1/2".

NET..... \$7.50

LISTENING MONITOR

A compact, well-built unit for amateur use; useful for station monitoring, or for frequency drift check. (Not a receiver.) Furnished complete with coils for 20, 40 and 90 meter amateur bands. In rugged steel case, 5 1/2"x10". Requires 1-89 tube, 1-3 V. "C" battery and 1-2 1/2 V. "B" battery (not supplied).

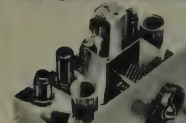


A9193. YOUR PRICE..... \$3.95

Latest "BUILD YOUR OWN" Kits

KNIGHT SUPER-GAINER S.W. KIT

With 4 Metal Tubes



An extremely efficient, easy-to-build four tube short-wave receiver. Latest design, improved circuit uses 4 all-metal tubes to give 7 tube performance. Exceptional sensitivity and selectivity results from the use of regeneration in the first and second detector stages; single-signal action on C.W. signals. The new 6I7 mixer tube, with special injector grid, allows absolute decoupling between oscillator and first detector, besides providing an extreme increase in sensitivity. Features: Bandspread control, dual regeneration control, iron core I.F. transformer, Isolantite coil sockets and adequate shielding. Low current drain allows the use of either batteries or the special A.C. power supply listed below. Complete kit includes punched chassis base and front panel, special shield, tube and coil sockets, resistors, condensers, hardware, complete diagrams and instructions, etc.

Requires 1-6L7, 1-6C5, 1-6P6 and 1-6P6.

A9505. Complete kit of parts with 80 meter coils, less tubes. NET.....

A9506. SET OF COILS. 8 coils, to cover the 10, 20, 40 and 160 meter bands, with adequate overlap for short wave broadcast band coverage. NET.....

A.C. POWER SUPPLY FOR SUPER GAINER

A9507. Complete kit of parts. Output 240 V. D.C. and 6.3 V. at 1.6 A. Kit includes punched chassis base, transformer, chokes, condensers, sockets, cable, diagrams, instructions, etc.

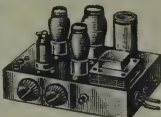
Requires 1-80 tube (not supplied). NET.....

NEW KNIGHT VOLUME EXPANDER KIT

A sensational new device for giving back to your loudspeaker all the fine points of music originally broadcast by the orchestra at the studio. True reproduction can be realized and depth can be recreated because the volume expander serves to further amplify fortissimo passages and make the pianissimos softer. Easily attached to any radio set or amplifier. The degree of expansion is controllable. Complete kit includes all necessary components for building. Uses 1-6L7, 2-76's and 1-80 tube not supplied.

A9508. Complete kit, less tubes.

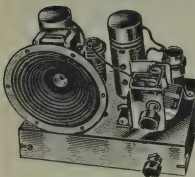
YOUR PRICE.....



\$7.95

LEADING "POPULAR MECHANICS" KITS

2 TUBE AC-DC PORTABLE RECEIVER



Popular Mechanics No. R-221 Kit. An extremely popular little broadcast receiver in kit form. Small and compact, it may be carried in a suitcase or traveling bag. Ideal for use at summer camps, cottages, hotels, etc. It is very inexpensive to build and operate and is capable of really surprising performance. Uses 1-6P7 and 1-12A7 tubes. May be used wherever 110 volts A.C. or D.C. are available. Entire set may be housed in a cardboard box. 9"x5 3/4"x7 3/8".

COMPLETE DIAGRAMS—EASY TO BUILD

Construction of this amazingly efficient receiver is extremely simple. The detailed pictorial layouts and wiring diagrams furnished are easy to follow and assure satisfactory results. No special tools or equipment are necessary; the chassis is already formed and punched, and the set may be completely assembled and wired in an hour or two. Kit contains all necessary parts including speaker but less the tubes and cardboard cabinet. For operation on 110 Volts A.C. or D.C.

A9811. R-221 KIT.

Complete less tubes and cabinet.

YOUR PRICE.....

\$8.75

ONE TUBE PEDESTRIAN BELT RECEIVER

A "Popular Mechanics" Kit. An extremely compact receiver designed to be carried easily on one's person. Entire set with "A" battery mounts in small box suspended on belt or carried in the pocket. Ribbon type "B" battery, listed below, straps around operator's waist. An ideal receiver for hikers, campers, etc. Uses 1-19 triode tube for 2 tube performance. Kit includes all necessary parts, less tube, batteries, headphones and cabinet. Practically anyone of even very limited experience will find this set extremely easy to assemble and wire from the large, detailed diagrams and instructions.

A9611. R209 KIT. NET.....

A9612. All necessary accessories including type 19 tube, 2-small dry cells, 1-Burgess Ribbon 90 volt battery and 1-pair featherweight phones. NET.....

A1125. BURGESS 90 VOLT RIBBON BATTERY. \$3.00

RIBBON BATTERY



ALL-STAR JUNIOR ALL-WAVE RECEIVER KIT

JUNIOR ALL-WAVE RECEIVER KIT



The second of the sensational All-Star, All-Wave Kits. Sponsored by eleven leading radio parts manufacturers. The All-Star Jr. is a 5 tube superheterodyne, featuring full All-Wave coverage from 10 to 550 meters, all-electric operation, bandspread tuning, dynamic speaker output, beat-note oscillator, airplane dial, pre-adjusted coils, etc. Remarkably easy to build; detailed diagrams show where every wire goes.

CONTINUOUS BAND-SPREAD BEAT FREQUENCY OSCILLATOR PRE-ADJUSTED COILS

The All-Star Jr. will appeal to Amateurs, DX Short Wave Listeners and All-Wave fans. Its outstanding features contribute to powerful reception, excellent sensitivity and good tone quality. Uses a powerful superhet circuit employing 1-6A7, 1-6B7, 1-7, 1-42 and 1-80 tubes. Crowded short wave bands are "spread" over a wide range by the built-in bandspread design. The beat frequency oscillator permits close reception and aids materially in tuning-in weak signals. All coils are preadjusted at the factory, assuring proper alignment. Built-in power supply operates on 110-120 volts 60 cycles A.C.

COMPLETE ALL-STAR JUNIOR PARTS KIT

Includes: Foundation Unit (drilled chassis and finished front panel); Thordson Transformer Kit; Ohmite Resistor Kit; Crowe Dial Kit; Hammond Tuning Condenser Kit; Weissen Coil Kit; Cornell Dubilier Condenser Kit; Electrad Volume Control; Erie Tube Shield Kit; Oak Socket Kit, and all miscellaneous parts. Less speaker and tubes.

A9585. YOUR PRICE.....

\$26.16

A9587. KNIGHT 6" DYNAMIC SPEAKER.

With cord and plug. NET.....

\$2.06

A9588. OXFORD 6" DYNAMIC SPEAKER.

With cord and plug. NET.....

2.48

A2408. BELDEN 8916 AERIAL Doublet type. NET.....

2.06

A9586. ORNAMENTAL ALUMINUM PANEL.

Has etched control dials. NET.....

2.06

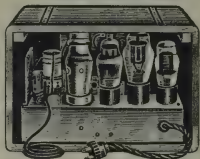
A9582. OFFICIAL CABINET. For either the All-Star Senior or the All-Star Jr. Black or nickel finished metal sides; ebony finished wood top and base. 18x9 3/8"x5 1/2".

YOUR PRICE.....

\$3.95

IMPROVED "LITTLE GIANT"

4 TUBE AC-DC



Popular Mechanics No. R-220 Kit. An improved model of the most popular 4 tube set ever described in Popular Mechanics. Traveling men, tourists, students, etc., will find this the ideal companion set. Has excellent tonal qualities coupled with distance reception ability. Simple and inexpensive to build and will operate from any 110 volt AC or DC supply. An entirely dependable radio receiver that will give fine results.

A POPULAR EFFICIENT SET

Anyone can build this highly efficient, portable AC-DC set with only a few tools. Detailed easy to follow blue print shows both pictorial and schematic diagrams. Kit contains all necessary parts, speaker and instructions for construction of the improved Little Giant Receiver; less only tubes and cabinet.

A9913. R-220 KIT. Complete, less tubes and cabinet. YOUR PRICE.....

\$8.75

TWO-WAY INTER-ROOM COMMUNICATION KIT

Popular Mechanics No. R-221 Kit. An efficient inexpensive inter-room communication system which saves time and effort. You merely push a button to talk and release it to listen to a person in another room. May be used between rooms and floors in homes and offices; suitable for paging and calling between store and stockroom, house and garage, etc. Compact and portable; easy to build. Two units are required, one at each point between which communication is desired.



SCORES OF USES

These easy-to-build two-way inter-room communication kit units operate on 110 Volts, A.C. They each use 1-38 and 1-25Z5 tubes and incorporate a single button carbon microphone and 5 inch magnetic speaker. Each kit unit includes all necessary parts, mike, speaker, etc., less only tubes and cabinet. Cabinet pictured is priced below, or you may build your own individual cabinet.

A8914. R-221 KIT for 1 unit only. (2 required.)

Complete, less tubes and cabinet.

YOUR PRICE.....

\$9.10

A923. Cabinet only, as shown in illustration. NET.....

A3502. 4 conductor connecting cable. Per 10 ft.20c

TRANSCIVER & SHORT WAVE KITS

NEW UNIVERSAL 5 METER HANDSET

Compact, lightweight combination earphone and microphone handset. Rugged and fully protected against rough handling. Highly polished molded bakelite case contains the special high output single button 200 ohm microphone with highly efficient sensitive receiver. Complete with 6 ft. 4 conductor cord with individual leads for microphone and receiver. Especially designed and developed for use with high-frequency transceivers.

A7569. With 2000 ohm receiver.
A7568. With 75 ohm receiver.
YOUR PRICE, EACH.....\$5.88



5 METER TELESCOPING TRANSCIVER ANTENNAS

Vertical type antennae for ultra H.F. use. Telescoping sections of hard aluminum tubing with force lock to hold adjustment. Ideal for mobile and portable use.

A9183. 1/4 wave 4 section. Less base. End flattened for direct mounting. Extends to 52". **\$1.18**

NET.....**94c**

A9184. 1/4 wave 3 section. With base. Length closed, 18"; extends to 52". **\$1.12**

NET.....**94c**

A9185. 1/2 wave 3 section. Less base. Binding post mounting. Extends to 102". **\$1.12**

NET.....**94c**

A9186. 1/2 wave 3 section. With insulator base. Length closed, 36"; extends to 102". **\$1.32**

NET.....**94c**



ONE TUBE ALL-WAVE KIT BATTERY OPERATED

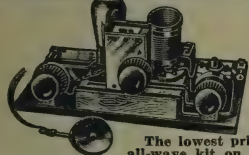
The lowest priced all-wave kit on the market. Compact, yet sensitive and simple to build. A one tube battery operated receiver which brings in police signals, amateurs, broadcast stations and lots of distant stations. All terminals are color-coded and no wiring diagram is necessary. Has an attractive modernistic stained wood base and pedestal. Uses a type 30 low drain tube. Complete kit includes all parts, base, hardware, wire, 2 coils for 160 to 650 meters, earphone and clear instructions. Tube and batteries not supplied.

A9515. Kit of parts as described above. **\$4.75**

YOUR PRICE.....\$4.75

A9516. TUBE AND BATTERY KIT. Contains 2-1 1/2 volt dry cells, 1-45 volt "B" battery and one Knight 30 tube. **\$1.60**

YOUR NET PRICE.....\$1.60



KIT OF S. W. COILS

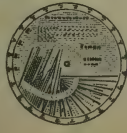
A9516. Short-Wave kit for use with above set. 4 coils cover range from 16 to 217 meters. **\$5c**

NET.....**85c**

WORLD TIME CHART AND SHORT WAVE STATION LIST

Indicates time in 122 countries instantly. Lists 111 Short Wave stations. Valuable for the amateur and SW listener.

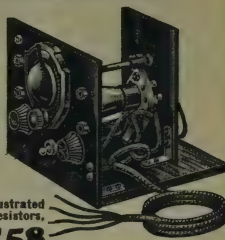
A5235. **YOUR PRICE... 10c**



KNIGHT 5 METER TRANSCIVER TWO-WAY 56-60 MC

AMATEUR PHONE KITS

These popular Amateur 5 meter transceivers were designed by Frank C. Jones. Easy to build and operate; the range is entirely dependable. Ideal for local "horizon-range" communication and for experimental field work. Uses a single tube 19 tube in an efficient push-pull tuned coupled oscillator circuit, grid modulated. For reception the same tube acts as push-pull super-regenerative detector. Simple quarter or half-wave rod may be used for the antenna. Complete diagram and parts list available at 5c to cover handling and mailing.



CHASSIS KIT OF PARTS

All necessary parts for building the chassis model illustrated above. Includes: panels, baseboards, dial, condensers, resistors, isolantite socket, hardware, etc. Complete kit less tube, batteries and handset.

A9566. **\$5.58**

YOUR PRICE.....\$5.58

DE LUXE PORTABLE KIT

A complete kit of parts which includes everything necessary to build the Knight De Luxe Portable Transceiver. Contains all necessary resistors, condensers, panels, dial, cable, etc., including special split case as shown in illustration. Easy to build and operate. Accessories required are tube, batteries and handset listed below.

H9654. **\$9.32**

YOUR PRICE.....\$9.32



TUBE AND BATTERIES

Consists of 1-Raytheon 19 tube, 2 Burgess 5308 portable "B's" and 2 Knight dry cells.

A9558. **\$3.10**

YOUR PRICE...\$3.10

PORTABLE CASE

Durable, leatherette covered split case for Knight transceiver. Bottom holds batteries; transceiver in top.

A9659. **\$3.75**

YOUR PRICE...\$3.75

UNIVERSAL HANDSET

New Universal 5 meter handset. Compact and lightweight. Illustrated and described at upper left.

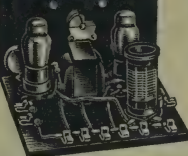
A7569. **\$5.88**

YOUR PRICE...\$5.88

STANDARD 2 TUBE DX-ER KIT

Operates from Dry Batteries

Still one of the most popular low-priced kits for the short wave beginner. Described in "Popular Mechanics," "Short Wave Craft," and other leading radio magazines. Operates completely on dry batteries. Uses two type 30 tubes in an efficient regenerative circuit with one audio stage.



COMPLETE KIT OF PARTS

All parts for the DX-ER, including panel, baseboard, condensers, shielded transformer, etc., with complete wiring diagram. Coils, tubes, batteries and phones are extra and are listed below.

A9520. **\$4.25**

YOUR PRICE.....\$4.25

PLUG-IN COILS

Set of 4 low-loss coils covering from 16 to 217 meters.

A5574. **\$1.03**

YOUR PRICE.....\$1.03

ACCESSORIES

A9521. Consists of 2 Raytheon 30 tubes, 2-1 1/2 volt dry cells and 2-45 volt B Batteries. **\$2.87**

H2800. Brandes 2400 ohms headphones. **\$1.59**

YOUR PRICE.....\$1.59

KNIGHT METAL TUBE DX-ER KIT

A. C. or Battery Operated

An extremely efficient, easy-to-build receiver of modern, up-to-date design. Uses two metal tubes, 1-6J7 and 1-6CS. Features full hand-tuned tuning; electron-coupled detector; shielded chassis construction; ultra smooth regeneration control; non-critical antenna input. May be operated from batteries or A.C. power supply. Requires 6.3 volts at 1.5 A. 90 to 135 volts for plate supply. Special power supply available in kit form, listed below.



COMPLETE KIT OF PARTS

All necessary parts for building the Metal Tube DX-ER, including punched and drilled metal chassis and panel, sockets, condensers, resistors, wiring diagrams, etc., less only tubes, coils, batteries and headphones. A9511. **\$6.80**

PLUG-IN COILS

Set of 4 plug-in coils for the Metal Tube DX-ER, 16 to 185 meters.

A9512. **\$1.25**

YOUR PRICE.....\$1.25

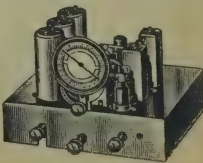
A. C. POWER SUPPLY

A9513. Complete kit of parts for the A.C. power supply. Contains punched chassis base, transformer, chokes, condensers, etc. Requires 1-1V tube (not included). Output 100 V. D.C. 6.3 V. at 4 A. **\$5.50**

NET.....\$5.50

KNIGHT METAL TUBE 6 VOLT All-Wave SUPER

A complete kit for building a highly efficient six tube all metal 6 Volt superheterodyne. Operates entirely from a 6 volt storage battery. Tunes from 15 to 545 meters. Coil assembly, complete with trimmer and padding condensers, is factory-assembled and aligned. Has four position band switch; iron core I.F. transformers for unusually high gain and exceptional selectivity. Requires 2-6K6, 1-6A8, 1-6Q7, 1-6P6 and 1-6Q4 tubes. Includes punched and drilled receiver and power supply chassis bases, all wave coil, switch assembly, resistors, condensers, complete diagrams, etc. Less tubes, speaker and vibrator.



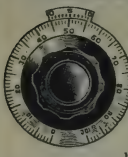
A9514. Complete Kit. **\$23.75**

A4687. Electronic No. 470 Vibrator. **\$2.35**

NET.....\$2.35

DIALS • PHOTO-ELECTRIC CELLS

INSTRUMENT DIALS



shaft. Reads 0-100. Supplied complete with vernier marker and hardware.

2 1/4 INCH DIALS
A5733. 325 Degrees. **71¢**
A5734. 180 Degrees. **71¢**
NET EACH

4 INCH DIALS
A5735. 325 Degrees. **94¢**
A5736. 180 Degrees. **94¢**
YOUR PRICE, EACH

CHROME SILVER DIAL PLATES AND FLANGE KNOBS



Attractive grain satin finish. Have engraved numbers and calibrations on chrome silver. Dial plate reads

0-100. Supplied with Finger Grip flange knobs for 3/4 inch shafts.

3 1/2 INCH DIAL PLATE
A5737. 180 Degrees. **74¢**
A5738. 325 Degrees. **74¢**
NET EACH

4 INCH DIAL PLATE
A5739. 180 Degrees. **91¢**
A5740. 325 Degrees. **91¢**
NET EACH

DIAL PLATES ONLY

Chrome silver dial plates less knobs, 180 DEGREES.

No.	Dia.	NET
A5741	3 1/2"	28¢
A5742	2 1/2"	42¢
A5743	4"	48¢

No.	Dia.	NET
A5744	2 1/2"	28¢
A5745	3 1/2"	42¢
A5746	4"	48¢

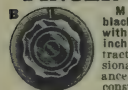
Vernier Dial Markers



Attractive dial markers for accurate tuning. Chrome silver with mounting screws. Supplied complete with mounting screw.

Cat.	Dial	Degrees	NET
A5747	2 1/2"	325	
A5748	2 1/2"	180	
A5749	4"	325	
A5752	4"	180	

FINGER GRIP KNOBS



Molded of black bakelite, with hole for 1/4 inch shaft. Attractive, professional appearance. Fluted construction gives positive grip for delicate adjustment. Supplied with flange, with pointer, or plain.

WITH POINTER
A5475. 1 1/4". FIG. A. EACH. **23¢**
A5476. 1 1/2". FIG. A. EACH. **28¢**
A5477. 2". FIG. A. EACH. **34¢**

WITH FLANGE
A5478. 2 1/4". FIG. B. EACH. **28¢**
A5479. 3". FIG. B. EACH. **37¢**

LESS POINTER
Similar to type illustrated in Fig. A, but less pointer.

No.	Size	PRICE EACH
A5480.	1 1/4"	17¢
A5481.	1 1/2"	23¢
A5482.	2"	28¢

2" DIAL PLATES WITH KNOB



Handsome, professional looking dial plates finished in beautiful silver grain satin finish. Engraved numbers and calibrations engraved in black. Calibrated 0 to 100. Fluted finger grip power knobs fits all 1/4" shafts. These plates lend a commercial appearance to your receiver, transmitter, etc. 325° style ideal for use on volume controls on amplifiers, modulators, etc.

A5483. 325 Degrees. **52¢**
A5484. 180 Degrees. **52¢**
YOUR PRICE, EACH

NAVY KEY KNOBS



Molded of black insuloid. Makes keying easier. 5/8" high; 1 1/4" dia. of lower skirt. 8-32 screw. **A5535. 7¢**

ETCHED METAL NAME PLATES STANDARD SIZE



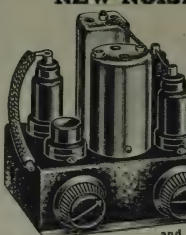
High quality name plates designed to give your equipment a professional appearance. Made of brass with characters and borders chromium-plated; backgrounds are etched dull black. Available in 104 different markings, among which are the following: Microphone, Phone Input, Oscillator, Transmitter, 1st Buffer Grid, Power Amp. Plate, Antenna, Plate, Rectifier, Filament Voltage, Key, Rectifier, A.C. Input, Modulator Plate, Gain Control, Input, etc.

Write for free complete list of name plates available. Standard size plate is 1 1/2 x 3 inches. This size is especially suited for Sound and Test Equipment. Furnished complete with self-tapping machine screws for mounting on wood, aluminum, steel or bakelite. SPECIFY MARKING DESIRED WHEN ORDERING. **A2885. 6¢**
NET EACH

DE LUXE SIZE

Similar in design and markings to above but larger—2 1/2 x 3 1/2 inches. Especially designed for transmitters, etc. WRITE FOR COMPLETE LIST. **A2888. 10¢**
NET EACH

NEW NOISE SILENCER KIT



No longer need your reception be disturbed by static, motor noise or other forms of interference. This new noise silencer kit will effectively eliminate noises of practically every type. Signals unheard of before may be brought up to a comfortable level. Designed to work with any short wave or all-wave superhet having 465 or 455 KC I.F.'s, this noise silencer incorporates an extra I.F. stage. Supplied complete with all necessary parts, instructions and—6H6, 1-6J7, 1-6K7, and 1-6L7 RCA metal tubes. Black crinkle-finished base measures 5 1/2" x 3 1/2" x 1 1/2", and has all holes cut and drilled. **\$7.70**
Can be assembled quickly.

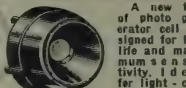
and installed quickly. **A8910. DE LUXE MODEL. YOUR PRICE.....**

STANDARD MODEL KIT

A8909. Same as above, but without extra I.F. stage; designed for sets having two or more I.F. stages. Kit includes 1-6H6, 1-6J7 and 1-6L7 RCA metal tubes and full instructions. **\$5.75**
For sets with 456 to 465 KC. I.F. NET

EBY PHOTO CELL EQUIPMENT

ELECTRIC EYE

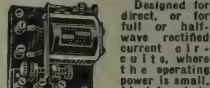


A new type of photo generator cell designed for long life and maximum sensitivity. Ideal for light controlling circuits, and for general experimental purposes. Entire unit is shock-proof and moisture-proof. Unaffected by continuous exposure to lights of strong intensity, and will operate on voltages as high as 250 volts without damage to cell. Response curve covers visual spectrum, and extends far into infra-red. Measures 1 1/2" dia., 3/4" h. Mounts in standard 4 prong socket. **\$2.94**
A4032. NET.....

Electric Eye Handbook

A4033 32 pages of new material pertinent to photo electric cells; gives hints and diagrams on adaptations of Electric Eye. Just the book for the experimenter or engineer. **NET. 50¢**

SENSITIVE RELAYS



Designed for direct, or for full or half-wave rectified current circuits, where the operating power is small. Ideal for photo cell equipment, vacuum tube amplifier circuits, etc., due to the low power necessary to make contact. Sterling silver contacts will carry 2.5 Amps. at 115 V. A.C., or 1.5 Amp. at 115 V. D.C.
A4045. 1000 ohm coil.
A4046. 2500 ohm coil.
A4047. 5000 ohm coil.
A4048. 10000 ohm coil.
NET EACH \$3.82

EXPERIMENTAL KIT

Necessary parts for building various Electric Eye circuits. Includes the Eby Electric Eye; sensitive relay; tube and eye socket; resistors, condensers, etc. Book of circuits and information also included. **A4049. NET.....\$8.82**

PHOTO CELL AND RELAY



An efficient light-controlled instrument with many valuable uses. Contains a sensitive photo-cell and quick acting relay. Can be used to actuate automatic door opening mechanism, for grading and counting packages on production lines, for controlling lights, or for a host of other applications. Size 4 1/4" x 5 1/4". Suitable light source is listed below. Complete with photo-cell. **Ad-680. \$14.70**
NET

LIGHT SOURCE FOR PHOTO CELL

A4681. A ruggedly built light source for use with the above or similar photo-cell relay units. Operates from 110 Volt 60 cycle supply. Uses standard 6-volt 32 C.P. auto bulb. Light beam is focused by means of movable brass tube fitted with high grade optic lens. Size 2 1/2" square, 5 1/2" high. With bulb. **\$5.88**
NET

Thermo-couple Ammeters (High Frequency)

Designed especially for high frequency work, these instruments are accurate to within 2%. Ideal for use in amateur transmitters or wherever currents of radio frequencies must be measured. External couples will stand 50% overloads and are easily replaceable. Molded bakelite case, flange mounting type, 3 1/2" size.

Model 341

No.	Amp.	LIST	NET
A8900	0-1.5	\$16.00	
A8901	0-1.5	18.00	
A8902	0-2.5	16.00	
A8903	0-5	16.00	

PHOTO-ELECTRIC CELL-Cetron CE-3

A1070. A quality photo-electric cell suitable for a variety of applications. May be used to place W.E. type for sound film work. Connections are made by means of leads with phone tips. Cathode plate is 1/4 sq. in. Requires an average ionizing voltage of 135 V.

CE-1 CELL

A1071. For replacement in such equipment as Acme Simplex, Edco, Moviola, RCA Photophone, Powers, etc. 4 prong plug-in type base. 3 3/4" high, with cathode area of .94".

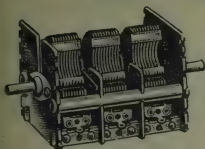
CE-2 CELL

A1072. A shorter, wider cell, with cathode area of 1.32". For use with Argus, Bestone, DeVry, Full Range, Pacent, and Universal type projection equipment. Height, 2 1/4", 4 prong base. **\$5.40**
YOUR PRICE EACH



VARIABLE CONDENSERS & CHOKES

NEW UNIVERSAL PRECISION GANG CONDENSERS



Holes are provided at front, rear and top for mounting. Trimmers may be placed on either side or may be removed entirely. These condensers are rigidly and carefully constructed to maintain accuracy under all conditions. $\frac{1}{4}$ " shaft can be increased to $\frac{3}{4}$ " by using A2097 bushing on page 64.

Clockwise or Counter-Clockwise in One Unit!

These universal condensers solve every replacement or original gang condenser problem. $\frac{1}{4}$ " shaft extends from front and rear; easy ranging of 2 or more 2 or 3 gang units for obtaining 4, 5, 6 or more ganged sections. Either end may be used as front, providing either clockwise or counter-clockwise rotation in a single unit. Trimmers mounted on long side; may be easily moved to other side or removed altogether. Holes provided for easy mounting on bottom, top or either side, using spade lugs or brackets; adapts itself to any chassis. Slotted end plates for complete alignment of all circuits. Two styles: TRF type, all sections alike, for TRF or padded race, direct and shielded type, with special cut section for unpadded oscillators. High end shields measure $2\frac{1}{2}$ " x $3\frac{1}{4}$ ".

TWO GANG CONDENSERS

370 MMF.			450 MMF.		
No.	Type	NET EACH	No.	Type	NET EACH
A2550	TRF		A2553	TRF	
A2551	175KC	\$1.03	A2554	175KC	\$1.12
A2552	456KC		A2555	456KC	

THREE GANG CONDENSERS

370 MMF.			450 MMF.		
No.	Type	NET EACH	No.	Type	NET EACH
A2556	TRF		A2559	TRF	
A2557	175KC	\$1.52	A2560	175KC	\$1.65
A2558	456KC		A2561	456KC	

DE-JONG BAND-SPREAD CONDENSERS WITH AIRPLANE DIAL



New band-spread tuning unit with one dial control. Main condenser drives one pointer; other pointer is driven by band-spread condenser section.

controls both sections at will. 4" airplane dial is calibrated 0-100 on top scale and 0-10 on bottom scale.

No.	Gangs	MMF.	NET
A2700	2	370	
A2702	2	140	\$6.17
A2701	3	370	\$6.90
A2703	3	140	
A2704	3 gang, 420 mmf. Dial is specially calibrated for Meissner Kit on page 125. NET		\$6.90

TRIMMER CONDENSER



A new small-size trimmer condenser, ideal for balancing, trimming, neutralizing, antenna coupling, etc. Of sturdy construction on low-loss bakelite base measuring $1\frac{1}{2}$ " x $2\frac{1}{2}$ " x $\frac{1}{8}$ ". Full-plate type, with high-grade mica dielectric.

Capacity, 5-35 mmf. A2949. NET. 5c

TRIMMER AND PADDING CONDENSERS



For HF, IF, and Oscillator circuits. First quality mica-insulated; isolantite base. Screw driver adjustment. May be shunted by fixed mica condensers to increase maximum capacity. Solder lug type connectors; fits in small space or coil form.

No.	Cap. Mmf.	NET
A7890	10-70	16c
A7891	30-160	19c
A7892	60-300	22c
A6499	120-475	24c
A6498	620-1120	42c

KNIGHT COMPACT CONDENSERS

New, easy-to-mount compact condenser assemblies of superior design and precise construction. Trimmers are mounted on both sides. Plates slotted for accurate alignment. Maximum capacity, 370 MMF. Clockwise rotation. Available for either TRF and padded oscillator circuits, or with specially cut section for tracking unpadded oscillators. $\frac{1}{4}$ " shaft extends $1\frac{1}{4}$ ". End shields measure $2\frac{1}{2}$ " x $3\frac{1}{4}$ ".

TWO GANG

A2562. TRF.	
A2563. 456 K.C.	
YOUR NET PRICE.	84c

THREE GANG

A2564. TRF.	
A2565. 456 K.C.	
YOUR NET PRICE.	\$1.23

Iron-Core R.F. Chokes

New High-Q R.F. chokes may be used in place of air-core chokes for higher efficiency. Provide greater gain and selectivity in either tuned or untuned plate load circuits.

No.	MH	NET	No.	MH	NET
A5785	2/2	34c	A5789	30	50c
A5786	3/2	34c	A5790	60	57c
A5787	5/2	37c	A5791	80	57c
A5788	10	43c	A5792	125	85c

POLARIZED R.F. CHOKES



A new efficient, popular priced R.F. choke of the sectionalized winding type. Thoroughly impregnated to minimize effects of moisture.

A2640.	80 M.H.		A2641.	30 M.H.	
A2642.	30 M.H.		A2643.	10 M.H.	
A2644.	5 1/2 M.H.		A2645.	3 A.M.H.	
A2646.	2 1/2 M.H.				

USL MIDGET CONDENSERS

A small, well-built condenser, ideal for Short Wave use. $\frac{1}{4}$ " shaft extends $\frac{1}{4}$ " from front of condenser. Bushing allows rigid mounting on panels up to $\frac{3}{4}$ " thick. Single hole mount; fits $\frac{1}{4}$ " hole. Overall size with plates open, $1\frac{1}{2}$ " x $1\frac{1}{4}$ ". Attractively priced, high quality units.



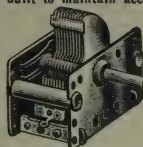
No.	Plates	Min. Mmf.	Max. Mmf.	NET
A4125	3	15	35c	
A4126	5	4	30	38c
A4127	7	5	45	41c
A4128	9	6	60	42c
A4129	15	7	100	48c
A4130	20	8	140	57c

DOUBLE SPACED MIDGETS

No.	Plates	Min. Mmf.	Max. Mmf.	NET
A4123	11	6	35	55c
A4124	14	7	50	73c

PRECISION SINGLE CONDENSERS

General purpose single unit condensers of high quality. Compactly designed; new bar-type construction gives extreme rigidity. Precision-built to maintain accuracy; bakelite insulation assures low-loss. Ball-race front bearing gives smooth operation with no binding. Bronze contact spring maintains steady, quiet contact with rotor. $\frac{1}{4}$ " shaft, $1\frac{1}{4}$ " long. Measure $3\frac{1}{4}$ " x $1\frac{1}{4}$ ". 35° deep. Clockwise; condenser closes to the right.

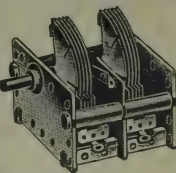


No.	Cap. Mmf.	NET EACH
A4115	100-150	
A4116	150-240	
A4117	240-370	
A4118	370-450	

67c

PRECISION 150 MMF. GANG CONDENSER

Compact condenser assemblies designed especially for short wave use. Special bakelite insulation reduces loss to a minimum. Of new, advanced design; solid bar construction assures the utmost rigidity. Slotted end plates allow easy, critical alignment. Ball-race bearings provide smooth, frictionless tuning. Trimmers mounted on long side; may be easily moved to other side, or removed altogether. End shields measure $3\frac{1}{4}$ " x $1\frac{1}{4}$ ".



A2567. 2 GANG.	85c
A2568. 3 GANG.	\$1.25
YOUR PRICE	

DUAL TRIMMERS

Latest development in trimmer design. May be used in any IF, oscillator, or similar circuit. Extremely small; may be mounted in tight places. Best mica dielectric and precise tuning adjustment give unequalled performance.



No.	Each Section	Cap. Mmf.	NET
A6490	30-90	25c	
A6491	50-180	28c	
A6492	100-300	35c	
A6493	170-410	41c	
A6494	300-600	47c	
A6495	300-675	53c	
A6496	325-850	65c	

CONDENSER COUPLINGS

Insulated flexible shaft coupling. Permits tandem operation of condensers, etc. Bakelite insulation. For $\frac{1}{4}$ " shafts.



A615.	21c
NET.	

RADIO FREQUENCY CHOKES

Compact, easy-to-mount R.F. chokes of high quality. High impedance. Latex-wound type. Thoroughly impregnated for dependable trouble-free service. Accurately rated. Wound with silk-covered wire on hard maple core. Two types: Shielded or unshielded.



pregnated for dependable trouble-free service		
Accurately rated. Wound with silk-covered wire on hard maple core. Two types: Shielded or unmounted.		
Unmounted	MH	Shielded
A5589	2 1/2	A5596
A5587	5 1/2	A5594
A6400	6	A5571
EACH..		EACH..
A6401	8	A5572
A6402	16	A5573
EACH..		EACH..
A5584	30	A5591
EACH..		EACH..
A5585	60	A5592
A5583	80	A5590
EACH..		EACH..

COILS • FORMS • COIL KITS

Bakelite Coil Forms

Rim Type Forms

Smooth moulded bakelite; low-loss, with high dielectric strength. Universally used. Moulded rim handle for easy grip. 1 1/2" diameter and 2 3/4" high. Fits standard tube sockets. Mechanically strong; electrically efficient.

No.	Prongs	No.	Prongs
A1930	4	A1933	7M (850)
A1931	5	A1934	7S (750)
A1932	6	A1935	8S
NET PRICE	10c	NET PRICE	18c
EACH		EACH	

RIBBED FORMS

Genuine moulded bakelite; 1 1/2" diameter, 2 3/4" high. Have moulded ribs for low-loss winding. It is handles.

No.	Prongs	NET EACH
A5577	4	14c
A5578	5	
A5579	6	

LARGE LOW-LOSS RIBBED COIL FORMS

Well-designed plug-in coil forms of moulded bakelite. Have eight-ribbed surface for low-loss coil windings. 1 1/2" diameter with 2 3/4" winding space. Rim moulded on top for easy handling. Listed in four colors.

COLOR	4 PRONG	5 PRONG	6 PRONG
Black	A2625	A2630	A2635
Brown	A2626	A2631	A2636
Red	A2627	A2632	A2637
Green	A2628	A2633	A2638
NET EACH	17c	19c	21c

LIQUID COIL DOPE

Provides tough, moisture-proof film on RF coils, chokes, etc. Dries fast.

No.	NET
A1954, 2 oz. Can.	21c

WIRING DIAGRAMS "BUILD YOUR OWN" KITS

Clear, easy-to-read diagrams with complete parts lists. Enable you to "build your own," using latest type tubes and modern efficient circuits. Carefully designed and capable of "factory built" performance.

- A1721. 2 TUBE DX'ER. SHORT WAVE BATTERY SET.
- A1722. 2 METAL TUBE DX'ER. FOR BATTERIES OR A.C.
- A1710. 4 TUBE A.C. BROADCAST TRF.
- A1712. 4 TUBE AC-DC BROADCAST TRF.
- A1714. 4 METAL TUBE "SUPER-GAINER."
- A1713. 5 TUBE A.C. BROADCAST SUPER.
- A1725. 5 TUBE SKIP-BAND A.C. SUPER.
- A1711. 5 TUBE A.C. BROADCAST TRF.
- A1720. 6 TUBE BROADCAST BATTERY SUPER.
- A1726. 6 TUBE ALL-WAVE A.C. SUPER.
- A1715. 6 METAL TUBE ALL-WAVE SUPER (6 VOLT BATTERY OPERATED).
- A1708. 8 METAL TUBE ALL-WAVE SUPER.
- A1709. 8 TUBE S.W. PROFESSIONAL A.C. SUPER.
- A1723. KNIGHT 5 METER TRANS-CEIVER.
- A1724. 5 TUBE AUTO SET.
- A1718. 2 STATION INTER-OFFICE COMMUNICATION SYSTEM.
- A1716. 3 TO 6 STATION INTER-OFFICE COMMUNICATION SYSTEM.
- A1717. VOLUME EXPANDER FOR RADIO OR P.A. AMPLIFIER.

EACH **5c**
(To cover handling and mailing cost.)

Rim Type Plug-In Coils

Small, high efficiency, space-wound coils for Short-Wave receivers. For use with 140 mmf. condensers. Forms are smooth bakelite, 1 1/2" diameter and 2 3/4" high; have rim-top for easy handling.

4 PRONGS-2 WINDINGS

A5565. Short Wave Coil Kit. 4 coils cover range from 16 to 217 meters. List, \$1.65. NET **85c**

5 PRONGS-2 WINDINGS

A5566. Broadcast Plug-In Kit. 2 coils cover range from 190 to 550 meters. List, \$1.50. NET **78c**

5 PRONGS-1 WINDING

A5567. Ultra Short Wave Coil. Covers range from 9.5 to 21 meters. List, \$1.50. NET **35c**

5 PRONGS-2 WINDINGS

A5582. Short wave coil kit. Four coils cover from 16 to 217 meters. Use with band-spread coils for general coverage. NET **\$1.08**

6 PRONGS-3 WINDINGS

A5568. Short Wave Coil Kit. Primary, secondary and tickler windings. Cover 16 to 200 meters. 4 coils in kit. List, \$2.50. NET **\$1.35**

5 PRONGS-2 WINDINGS

A5569. Broadcast Coil Kit. 2 coils cover 190 to 550 meters. List, \$1.85. NET **87c**

5 PRONGS-1 WINDING

A5570. Ultra Short Wave Coil. Covers 9.5 to 21 meters. List, 75c. NET **38c**

BAND-SPREAD COILS

5 prong coils complete with ceramic band-setting condenser mounted on top. Spread crowded amateur bands over large part of dial. For use with 140 mmf. condenser.

No.	Range	NET EACH
A1920	20 14.0-14.4	
A1921	40 7.0-7.3	50c
A1922	80 3.5-4.0	
A1923	160 1.7-2.0	
A1924. Kit of 4 coils.		\$1.90

Five prong band-spread coils for the crowded international short wave broadcast bands.

No.	Range	NET EACH
A1925	19 15.1-15.4	
A1926	25 11.7-11.9	50c
A1927	31 9.5-9.8	
A1928	49 5.6-6.16	
A1929. Kit of 4 coils.		\$1.90

Bakelite Ribbed Type

Genuine moulded bakelite, 1 1/2" diameter and 2 3/4" high, with moulded ribs for low-loss winding. With rim handles. Uniform precision-spaced windings for high efficiency. Prongs fit standard sockets. Coils are for use with 140 mmf. condensers.

4 PRONGS-2 WINDINGS

A5574. Short Wave Coil Kit. Set of four coils covers range of 16 to 217 meters. Grid and tickler windings. List, \$1.90. NET **\$1.03**

5 PRONGS-2 WINDINGS

A5575. Broadcast Coil Kit. Set of 2 coils covers 190 to 550 meters. List, \$1.70. NET **84c**

5 PRONGS-1 WINDING

A5576. Ultra Short Wave Coil. One coil covers 9.5 to 21 meters. List, \$0.75. NET **38c**

BAND-SWITCHING COILS

A new unit which gives complete coverage from 16 to 550 meters. No plugging-in; band changing easily accomplished by switching. Units are easily gained by means of 3/4" shaft. With 4 prong base for rapid mounting. Complete with pointer knob, dial plate and diagrams. For 140 mmf. condenser.

No.	NET
A5561. Kit, \$4.25.	\$2.50
A5562. List, \$4.25.	

Superhet Oscillator Coils

Serves as oscillator coil when used with the above unit acting as antenna coil; both form tuning unit for Superhet. 16 to 550 meters. For 456 KC I.F. With diagrams. **\$2.50**

COMPLETE SUPERHET KIT

Kit consists of one each of above units, both ganged together and adjusted ready for use. For 456 KC I.F. With knob, dial plate and diagrams. **\$4.40**

A5663. List, \$7.50. NET.

REPLACEMENT MAJESTIC I. F. TRANSFORMER COILS

Designed to replace the originals used in various Majestic receiver models. Will fit in original Majestic shield cans without change. Well-constructed; unaffected by climate. Thoroughly impregnated; moisture-proof. Wound of double-coated enameled wire on paper tubing. Coils are supplied less tuning condenser and can.

Cat. No.	Majestic Part No.	Model	NET EACH
A7150	4428	15, 15B, 150	\$0.35
A7151	3384	15, 15B, 150	.40
A7155	4439	15, 15B, 150	.40
A7152	5326	25	.53
A7180	5327	25	.53
A7181	5601	25B	.40
A7182	5602	25B	.53
A7154	6506	55	.53
A7183	10589	66	.40
A7184	10591	66	.40
A7185	9361	116	.40
A7188	6250	200	.40
A7159	6254	200	.53
A7160	6119	210	.40
A7161	6123	210	.40
A7162	6127	210	.40
A7186	7821	390, 310, 330	.40
A7163	7812	390, 310, 330	.45
A7164	7804	360	.40
A7165	9669	400	.40
A7168	10140	460	.50
A7169	10253	800	.40
A7170	10843	500	.50
A7169	11014	800	.40
A7175	7187	Primary coil used as RF plate coil in Models 290, 390, 310, 330, 460, 520 and 800.	.40

COIL ASSEMBLIES IN CANS

Exact Majestic replacement I.F. transformers mounted in shield cans and laboratory pre-tuned. No adjustment necessary.

Cat. No.	Part No.	Model	NET EACH
A7190	4428	15, 15B, 150	\$1.47
A7191	3384	15, 15B, 150	.88
A7192	4439	310A, 510B	.88
A7193	10149	460	.88
A7194	10843	500	1.32

We can supply other exact duplicate Majestic I.F. Transformers in cans complete with trimmer condensers. Write for prices, or order with deposit, stating model number of set, and part number of transformer.

We can supply exact duplicate, or adequate replacement coils for any set. When ordering state name, model and type of set, where coil is used, bands covered, condenser type, tubes used, etc. Cost will depend on coil specs. Send in old coil with \$1.50 deposit for replacement or definite quotation.

DIMMER REACTOR TRANSFORMER FOR MAJESTIC

An exact duplicate of the original Majestic Part No. 7785, used in late model Majestic receivers as a resonance indicator. No changes are necessary to install it. Fits 310A exactly. **\$1.04**. List, \$1.95. NET **85c**

THREE CIRCUIT TUNERS

Has primary, secondary, and variable tickler windings. Covers 200 to 570 meters using 350 or 500 mmf. condenser.

No.	NET
A1700. For 350 mmf.	73c
A1701. For 500 mmf.	
A1704. Tuner, YOUR PRICE	78c
A1705. R.F. Coil to match Tuner, NET	48c

R.F. COILS TO MATCH
A1702. For 350 mmf. Condenser.
A1703. For 500 mmf. Condenser.
NET EACH **46c**

Tapped For Short Wave
New three circuit tuner and R.F. Coil as above, but tapped for S. W. reception with 350 mmf. Condenser.
A1704. Tuner, YOUR PRICE **78c**
A1705. R.F. Coil to match Tuner, NET **48c**

TELEPHONES HEADPHONES Accessories

ACME FEATHERWEIGHT HEADPHONES

An exceptional value. Sensitive and practical for every head set use. "Light as a feather."

Each unit weighs less than 1½ ounces. Total weight only five ounces. Well-made and durable. Sensitive to even the faintest sounds. Recommended especially for Amateurs. Short Wave fans, hard-of-hearing, and multiple phone installations. Case is made of non-breakable aluminum with light tension flexible headband. Cord is ¾ foot braided covered. A highly sensitive and practical headphone set at a remarkably low cost.

A1190, 4,000 Ohms. (2,000 per phone.) **\$120**

A1191, 2,000 Ohms. (1,000 per phone.) **95c**

SINGLE ACME HEADSETS

A lightweight single unit phone with headband exactly as described above. Can be worn with comfort for hours. With cord.

A1192, 2,000 ohms. **70c**

A1193, 1,000 ohms. **59c**

YOUR PRICE.....

DIAPHRAGMS FOR ABOVE
A1194, For Acme Featherweight phones. NET EACH..... **5c**

BRANDES PHONES

Well known phones of excellent construction, whose quality is recognized everywhere. Extremely sensitive; respond to the faintest signal. Light in weight. Have adjustable headband. Resistance is 2,400 ohms per pair.

Shpg. wt., 2 lbs. **\$159**
A2800.
YOUR PRICE.....

CAPS AND DIAPHRAGMS

A2801, CAPS. **18c**

A2802, DIAPHRAGMS. **5c**

YOUR PRICE, EACH.....

FROST PHONES

Many superior features are incorporated in Frost phones which add greatly to their efficiency and ease of reproduction. They are light in weight and comfortable to wear; easily adjusted to fit the head. Headband is of double type, with woven fabric covers. Units have aluminum shells and hard rubber caps. Cord terminals are inside of case, to prevent accidental shock. With cords. Shipping weight, 2 lbs.

A3251, 3,000 OHMS. **\$165**
YOUR PRICE.....

A3250, 2,000 OHMS. **\$148**
YOUR PRICE.....

DIAPHRAGMS AND CAPS
A3252, DIAPHRAGMS. **8c**
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Accessories

A1150, Dry Cells for use with 19c
Realphones. NET, EACH.....

A1984, 100 feet 3 conductor connector cable for outdoor **\$1.71**
use. NET.....

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for indoor use. NET.....

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A1982, Silver. **\$4.12**

A1983, Chinese Red. **\$4.12**

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NET \$3.82 Ea. Set

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List, \$10.00.
EACH PAIR.....

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List, \$3.75.
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R PRICE...
Ohms. 97c
R PRICE.....



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52c



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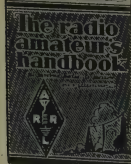
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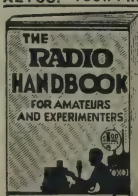
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This catalog is the most complete in radio. To supplement its completeness, we maintain a special department always on the alert for new radio equipment. We can supply all new as well as special radio items at the very lowest prices. Write to us for quicker, better service.

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HOW TO ORDER FROM THIS CATALOG

HOW TO ESTIMATE PARCEL POST RATES

ZONE NO.	DISTANCE IN MILES	COST UP TO 1 LB.	Each Lb. Additional or Fraction
1	Not Over 150 Mi.	8c	1.1e
2	Not Over 150 Mi.	8c	1.1e
3	150 to 300 Mi.	9c	2c
4	300 to 600 Mi.	10c	3.5c
5	600 to 1000 Mi.	11c	5.3c
6	1000 to 1400 Mi.	12c	7c
7	1400 to 1800 Mi.	14c	9c
8	Over 1800 Mi.	15c	11c

USE OUR ORDER BLANKS

You will find two convenient order blanks bound into this book. Additional blanks and envelopes will be supplied on request. Special attention given to Telephone and Telegraph orders. (All Telephones: Haymarket 6800.)

EXPRESS SHIPMENTS

Console sets, Winchchargers, storage batteries and any other items in this catalog which we have indicated as not mailable, should be shipped by express or freight. In general, it is best to send radios and bulky merchandise by express. If there is no express agent at your location, please be sure to specify your nearest express office. See table below at left for approximate charges. (All express shipments are insured.)

PARCEL POST SHIPMENTS

Save C. O. D. Charges by sending enough money to cover postage. Any surplus will be promptly refunded. If remittance does not cover postage, shipment will be made C. O. D. for the balance. For your protection all our parcel post shipments are insured. Allow for insurance at the following rates:

Up to \$5.00	5c
\$5.00 to \$25.00	10c
\$25.00 to \$50.00	15c
\$50.00 to \$100.00	25c

The table at the left will help you to compute parcel post charges. If you are not certain about what some you are in, ask your postmaster.

FREIGHT SHIPMENTS

You save by ordering merchandise sent by freight when rapid shipment is not essential and merchandise selected weighs near 100 pounds or over. The minimum freight charge is for 100 pounds. If you have a freight agent, do not send shipping charges. If you are on a prepaid station, please send funds to pay charges in advance. Any surplus will be promptly refunded. If there is no freight agent at your location, please be sure to specify your nearest shipping point.

OVERSEAS CUSTOMERS

Competent attention is given to export orders. Please refer to page 3 for terms. We invite correspondence in all languages.

SPEEDIEST SERVICE

Huge reserve stocks of clean standard merchandise, wonderful transportation facilities, and accurate intelligent handling, assure you of the fastest and safest delivery. The same fast service applies to the valuable personal aid we render without any cost to you on all of your radio problems and inquiries. Whatever your radio needs may be ALLIED SERVES YOU BETTER.

HOW TO ESTIMATE EXPRESS CHARGES

FOR DISTANCES OF

Weight Not More Than	50 Mi.	150 Mi.	300 Mi.	500 Mi.	750 Mi.	1000 Mi.	1500 Mi.	2000 Mi.
5 Lbs.	\$0.39	\$0.41	\$0.45	\$0.48	\$0.52	\$0.56	\$0.66	\$0.76
10 Lbs.	.43	.48	.56	.62	.69	.76	.98	1.16
15 Lbs.	.47	.54	.66	.75	.86	.97	1.29	1.57
20 Lbs.	.51	.61	.77	.89	1.03	1.18	1.61	1.98
25 Lbs.	.55	.67	.87	1.02	1.20	1.35	1.93	2.39
35 Lbs.	.63	.80	1.08	1.29	1.54	1.79	2.56	3.20
45 Lbs.	.71	.93	1.29	1.56	1.88	2.21	3.19	4.02
55 Lbs.	.79	1.06	1.50	1.83	2.22	2.62	3.82	4.83
75 Lbs.	.95	1.32	1.92	2.37	2.90	3.44	5.08	6.46
95 Lbs.	1.11	1.58	2.34	2.91	3.58	4.26	6.33	8.09
For Each 100 Lbs.	1.15	1.65	2.45	3.05	3.75	4.47	6.65	8.50

75-550
METERS

2085
WITH RAYTHEON TUBES

Requires
only ONE BATTERY

- 2 FULL BANDS • MULTI-FUNCTION TUBES
- 4" AIRPLANE DIAL • EFFICIENT A. V. C.
- 6½" SPEAKER • LOW BATTERY DRAIN

A powerful new Knight 4 Tube Dual Wave Superhet designed for maximum economical performance in homes without electricity. Operates entirely from a single 6 volt storage battery. No "B" or "C" batteries are required. Uses the latest multi-function tubes to achieve actual six tube power and efficiency with four tube economy. Has two tuning ranges: 75 to 175 meters for Short Wave Amateur, Airplane and Police signals, and 175 to 550 meters for powerful standard American and Canadian Broadcast. Separate coils are provided for each band assuring full efficiency when each range is tuned. Outstanding features are: **AUTOMATIC VOLUME CONTROL** for freedom from fading and noise; **4" AIRPLANE DIAL**, clearly calibrated in kilocycles for quick and accurate tuning; **LATEST 6½" ORTHOVOX SPEAKER** for clear, faithful tonal reproduction; **RUBBER-FLOATED TUNING CONDENSER** and 8 tuned circuits for unusual stability, high sensitivity and sharp tuning; shielded c-w-type power supply with plug-in vibrator of latest trouble-proof design, etc. The Knight 4 Tube 6 Volt Superhet is out front in performance, cabinet styling, one-battery economy and value.

NO "B" OR "C" BATTERIES

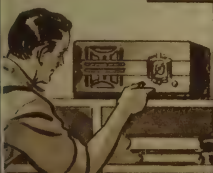
The Knight 4 Tube 6 Volt Superhet operates entirely and completely from a single 6 Volt Storage battery. It is the last word in convenience and economy. "B" and "C" batteries are done away with. Battery drain is so low it costs less than a penny a day to operate the Knight 4. Saves you many dollars each year, it brings you the finest possible radio performance—comparable in every way to the highest grade new "C" models. The amazing economy and one-battery convenience the Knight 4 makes it ideal for use in homes without electricity, summer camps, in trailers, in boats, etc. Its powerful performance assures excellent reception even in the most isolated locations.

NEW SUPERHET CIRCUIT

The latest and finest developments in new 6 Volt Radio design have been fully incorporated in the R.C.A. licensed circuit of the Knight Dual Wave 4. The following multi-function low-drain tubes are used: 5A7 as Det.-Osc.; 34 as I.F.; 135 as 2nd Det., A.V.C., 1st Audio; 41 as power output. Surprising volume is developed by this circuit and it is handled as rich pure tone by the full 6½" inch advanced-design Orthovox speaker. The power supply is fully shielded and uses the newest type plug-in vibrator for quiet operation, long life and dependable performance. A.V.C., 4 inch Airplane Dial, rubber-floated condenser, 8 tuned circuits, etc., assure you of maximum radio efficiency.

IDEAL FOR USE WITH RURLPOWER UNITS
FOR THE UTMOST IN RADIO ECONOMY AND CONVENIENCE, WE RECOMMEND THE USE OF THE KNIGHT 4 WITH ANY OF THE 6 VOLT PLANTS OR THE WINDCHARGER, SHOWN ON PAGES 140-142.

AN OUTSTANDING FARM RADIO VALUE



Knight 4 TUBE 6 VOLT Dual Wave BATTERY SUPERHET

OUTSTANDING STYLE AND PERFORMANCE

The Knight 4 Tube 6 Volt Battery Superhet is fittingly offered in a fine new table model cabinet of the latest "lay-down" design. The front face is of attractive horizontally-grained Oriental wood worked into a pleasing grille design enhanced by routed stream-lines. The entire cabinet is hand-rubbed to a soft two-toned effect finish. Dimensions: 18½ inches wide, 8½ inches deep, 10 inches high. Will harmonize beautifully in any setting. The Knight 4 Tube 6 Volt Battery Superhet must be seen and heard to be appreciated. It offers you consistently an outstanding combination of pleasing cabinet beauty coupled with maximum performance in tone, sensitivity, selectivity and power. Add to this, true operating economy and convenience and you will quickly see that the Knight 4 is a real 6 Volt radio leader. It is America's lowest-priced 6 Volt set.

LESS "A" BATTERY

The Knight 4 Tube 6 Volt Dual-Wave Superhet is offered in the table model cabinet illustrated, complete with a 6½ inch speaker and low-drain Raytheon tubes. Less 6 Volt "A" battery. Shipping weight, 16 lbs. Code: CAPE.
A9809.
Retail Value, \$39.95. **\$2085**
YOUR PRICE

SET COMPLETE

The Knight 4 Tube 6 Volt Dual-Wave Superhet complete with speaker and tubes and 1—6 Volt 100 Ampere hour Vesta Storage "A" Battery. (Does not require "B" or "C" batteries.) Shipping weight, 54 lbs. Code: SWAN.
A9810. Retail Value, \$47.45. **\$2520**
YOUR PRICE





Knight TUBE

6 VOLT All-Wave BATTERY SUPERHET

- REQUIRES ONLY ONE BATTERY
- TRUE ALL-WAVE COVERAGE
- TUNES U. S. WEATHER BAND
- 11 INCH MAGNA-SPAN DIAL
- FLYWHEEL DIALING FEATURE
- VISUAL BAND INDICATOR

A Real "Battery-Miser" .. ECONOMIC

\$36.95

COMPLETE WITH RCA TUBES

RCA & MARZETTINI LICENSED



The new Knight 7 Tube 4 Band Superhet is an almost batteryless radio designed for homes without electricity. Has all the power and performance of the finest new electric sets plus amazing convenience and economy. Operates entirely from a single 6 volt storage battery. No "B" or "C" batteries are needed. **DRAWS ONLY 1.7 AMPERES.** Costs just a few cents a day to operate. Feature for feature, the Knight All-Wave 7 Battery Superhet matches the performance of today's finest all-electric models. Brings you radio entertainment from the entire world. Operates powerfully even in the most re-

NEW MAGNA-SPAN DIAL

The exclusive 11 inch oval Magna-Span dial used in the Knight 6 Volt All-Wave 7 is the finest tuning arrangement ever developed. Incorporates new features for marvelous ease of tuning. Has VISUAL WAVE-BAND INDICATOR which shows at a glance what band is being tuned. Incorporates VISUAL "ON-OFF" INDICATOR which eliminates the necessity for an extra pilot lamp and conserves battery power. This indicator also helps to remind you to turn off the receiver when it is not in use. FLYWHEEL DIALING feature makes quick and exact tuning possible. Just twirl the control knob and the pointer spins to the station you want. "TELL-TIME" scale is incorporated for quick reference logging of popular programs. Minute and second hand pointers "tell the time." It's easy to tune by this method. All four bands are arranged concentrically over a 340° spread—each is clearly marked. Calibrations are in *mc*, in kilocycles and megacycles, against a background of royal blue. Anyone can easily understand and operate this marvelous new dial.

ALMOST "BATTERYLESS"

You get true one-battery economy with the Knight 6 Volt All-Wave 7. No "B" or "C" batteries are required. Phenomenal power is obtained with amazing low battery drain of ONLY 1.7 AMPERES. The use of the new low-drain tubes saves battery power. The visual "on-off" indicator eliminates the wasteful drain of a pilot lamp and reminds you to turn off the receiver when it is not in operation. The latest type of permanent magnet dynamic speaker which is used does not require field current and therefore reduces current drain to a minimum. Actual operating drain of the Knight 7 is approximately 1 per hour—an economy of operation unequalled by any other 7 tube battery receiver. The Knight 7 combines the finest, most powerful 4 band radio performance with the lowest possible operating cost.

**FOR NEW RURLPOWER
6 VOLT PLANTS
& WINDCHARGER,
SEE PAGES 140-142**

mote and difficult locations. Tunes four full wave bands. Covers 10.4 to 55 meters for World-wide Short Wave broadcasts; 55 to 160 meters for Short Wave Police, Amateurs, Ships, Aircraft and Commercial signals; 180 to 550 meters for standard American and Canadian Broadcast and the upper Police channel—and an exclusive fourth band—800 to 2000 meters for U. S. Government Weather reports, time signals and European long-wave. A magnificent new receiver with dozens of exclusive refinements. Outstanding among battery radios for power, styling, economy and value.

POWERFUL CIRCUIT

The latest type multi-function tubes are used in the Knight 6 Volt 7 Tube 4 Band Superhet for actual 10 tube efficiency. The R.C.A. licensed circuit includes 1—34 as I.F.; 1—30 as Diode Det., A.V.C.; 1—30 as 1st Audio; 1—30 as Diode; 1—19 as Class "B" Push-Pull Amplifier output. A new type synchronous rectifier-vibrator is also used. (Actually the equivalent of another tube.) The Knight 7 operates with amazing economy and yet attains extra tube power. This power is ably handled by the new type 8 inch Permanent Magnet dynamic speaker which does not require field current. Actually achieves tube quality comparable to that of the finest A.C. electro-dynamic speaker. **ADDITIONAL FEATURES:** a three gang rubber-floated condenser is used for unusual stability; effective Automatic Volume Control maintains uniformity and freedom from noise; Continuously Variable Tone Control permits bass or treble emphasis to individual tastes. Other features are: 15 tuned circuits; 1 M.V. sensitivity; 8 K.C. selectivity; Pre-amplifier; Pre-selector; high-gain 112-wound coils, etc. Chassis is rubber-floated.

LESS "A" BATTERY

The Knight 7 Tube 6 Volt Superhet is offered in a beautiful table model cabinet of rich buff burl walnut with roll-top and recessed plaster effect. Dimensions: 21" high, 14 3/4" wide, 11 3/4" deep. Complete with 8 inch P.M. Dynamic Speaker and R.C.A. low-drain tubes. Less "A" Battery. Ship. wt. 37 lbs. Code: CAPE. A9863. Retail Value, \$74.50. **YOUR PRICE.....\$36.95**

SET COMPLETE

The Knight 7 Tube 6 Volt Superhet in beautiful table model cabinet, complete with 8 inch speaker, R.C.A. tubes, and 1—Vesta 6 Volt, 115 Ampere hour storage battery. An outstanding 6 volt radio value. Shipping weight, 77 lbs. Code: TEXT. A9864. Retail Value, \$83.50. **YOUR PRICE.....\$42.20**

The Finest Battery Radio Built

FOUR FULL BANDS

16.4-55 METERS
55-180 METERS
180-550 METERS
800-2000 METERS

Tunes Everything

- VISUAL "ON-OFF" INDICATOR
- AUTOMATIC VOLUME CONTROL
- VARIABLE TONE CONTROL
- 3 GANG CONDENSER
- R. F. PRE-AMPLIFIER STAGE
- P.M. DYNAMIC SPEAKER

POWERFUL...

BEAUTIFUL CONSOLE MODEL

The Knight 4 Band 6 Volt 7 Tube Superhet is offered in a luxurious floor console of appealing beauty. Has rolled top and front of selected vertically striped walnut. Front is lanted slightly for streamline effect and superior tonal projection. Has attractive Roman lyre motif grille. Dimensions: 39 $\frac{1}{2}$ " high, 23 $\frac{1}{4}$ " wide and 13 $\frac{3}{4}$ " deep. Supplied with 8 inch Permanent-Magnet Dynamic-Speaker. The (night All-Wave 7 Battery Superhet is radio's finest contribution to homes without electricity. It brings you the world's finest radio programs on four powerful bands—Foreign Short Wave broadcasts on 16.4 to 55 meters; Short Wave Police, Amateurs, Ships-at-sea, Aircraft and Commercial signals on 55 to 180 meters; coast-to-coast Standard American Broadcast and the upper Police channel on 180 to 550 meters—and a fourth full and covering U. S. Weather Reports and European Long-Wave programs on 800 to 2000 meters. A wonderful combination of performance, beauty and outstanding economy.



LESS "A" BATTERY

The Knight 7 Tube 6 Volt Superhet is offered in the beautiful floor console illustrated, complete with 8 inch P.M. Dynamic Speaker and 1—105—34, 3—30, 1—19 genuine R.C.A. low-drain tubes. Less "A" battery. Shipping weight, 69 lbs. Code: CARD. The finest 7 Tube Battery Radio made in America today. An unbeatable value.

9865.
Retail Value, \$89.50.

OUR PRICE.....

\$46⁴⁵

CONSOLE COMPLETE

The Knight 7 Tube 6 Volt Console Model complete with 8 inch P.M. Dynamic Speaker, R.C.A. tubes and 1—Vesta 115 Ampere hour 6 volt storage "A" battery. (No "B" or "C" batteries are needed.) Shipping weight, 109 lbs. Code: RIDE. The utmost in 6 volt radio performance, economy and beauty.

A9866.
Retail Value,
\$98.50.

YOUR PRICE.....

\$51⁸⁰

\$46⁴⁵
COMPLETE
WITH RCA
TUBES
RCA & HAZELTINE LICENSED

KNIGHT 7 TUBE 6 VOLT CHASSIS MODEL

An ideal do luxe 4 Band 7 Tube chassis for the replacement of obsolete battery radios. Will bring a new concept of radio enjoyment and economy to homes without electricity. Very adaptable also for installation in cabinets on board boats, in trailers, etc. Supplied with the latest type of 8 inch permanent magnet Dynamic Speaker. Dimensions: 12 $\frac{1}{2}$ "x11"x9". Packed with new features as described above: new 1" Magna-Span Dial with exclusive advantages; 4 Band coverage; full A.V.C., variable Tone Control; latest low-drain R.C.A. tubes; finest new R.C.A. licensed superhet circuit; 3 gang condenser; Pre-amplifier stage and Pre-selector; 16 tuned circuits; low 1.7 Amp.-draw; 8 K.C. selectivity; 1 M.V. sensitivity, etc.

LESS "A" BATTERY

The Knight 7 Tube 4 Band 6 Volt Chassis offered with 8 inch P.M. Dynamic Speaker (d 1—105, 2—34, 3—30 and 1—19 genuine R.C.A. low-drain tubes. Less "A" battery. Shipping weight, 29 lbs. Code: TOOL.

9861.
Retail Value,
\$7.50.

OUR PRICE.....

\$33²⁵

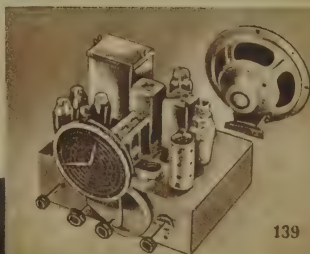
CHASSIS COMPLETE

The Knight 7 Tube 6 Volt chassis, complete with 8 inch P.M. Dynamic Speaker, R.C.A. low-drain tubes and 1—Vesta 115 Ampere hour 6 Volt Storage Battery. (No "B" or "C" batteries are required.) Shipping weight, 69 lbs. Code: READ.

A9862. Retail
Value, \$76.50.

YOUR PRICE.....

\$39³⁰



WORLD-WIDE RECEPTION

Now! ECONOMY FARM LIGHTING

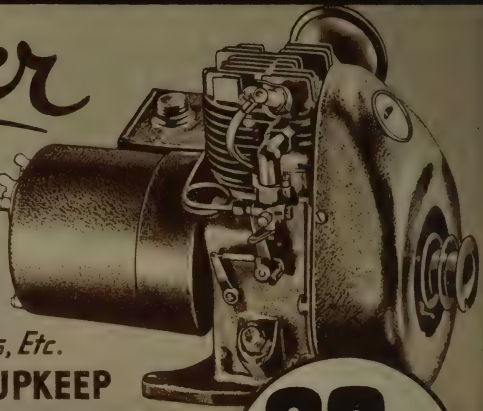
Rurlopwer

6 VOLT

LIGHT & POWER PLANT

Charges Batteries for Radio & 6 Volt Lights: Supplies Power for Washing Machines, Pumps, Cream Separators, Etc.

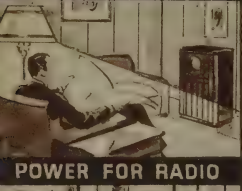
LOW ORIGINAL COST - LOW UPKEEP



\$29.95
COMPLETE



POWER FOR LIGHTS



POWER FOR RADIO



POWER FOR WASHER



POWER FOR WATER PUMP

ALSO FOR CAMPS

AUTO TRAILERS

SUMMER COTTAGES

BOATS & YACHTS

GARAGES

REPAIR CREWS

ROAD STANDS

SOUND TRUCKS

SHOWS, ETC.

PROFIT WITH RURLPOWER

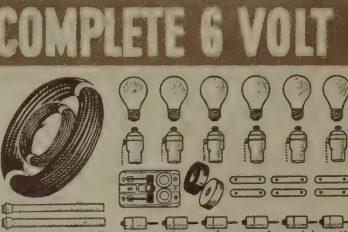
Here is genuine low-cost electric light and power for the unwired farm and home—for the trailer, boat, sound truck, traveling show, etc.—wherever electricity is not available. Compact, dependable, efficient, the new Rurlopwer portable gas engine plant will supply 150 watts 6 volts D.C. to quickly and inexpensively charge storage batteries for the operation of 6 Volt Light Bulbs, 6 Volt Radios (see pages 137, 138, 139, 142-144) and 6 Volt Sound Systems. Also has power take-off to drive pumps, washing machines, and other farm appliances. Think what savings—what convenience Rurlopwer offers you!—full time radio operation; no more dark, dimly-lighted house, barn or garage; no more run-down "A" batteries which have to be hauled to town for re-charging; no more bothersome "B" or "C" batteries to clutter up the house; less time-wasting, back-breaking farm drudgery! And what money-making opportunities! both in charging storage batteries for others and in selling the unit itself. Order a demonstrator—cash in now on the lucrative new Rurlopwer field!

WHAT RURLPOWER WILL DO

Rurlopwer will keep your storage batteries fully charged all the time, for continuous, better quality radio performance, and for actual big-city electric conveniences. It will charge one or more 2 volt or 6 volt storage "A" batteries connected in parallel across the generator terminals. 150 watts output assures charging rate of 20 amperes. Will keep batteries fully charged for operation of Radio and a number of 6 Volt Electric Lights. By means of an auxiliary pulley Rurlopwer will drive washing machines, pumps, churns, cream separators and other farm appliances not requiring more than 1/2 H.P. Other significant Rurlopwer features are: Its portability—it can be moved anywhere; its practicability—you can find enough valuable uses for it to keep it going profitably all day; and its amazing economy—it runs from two to three hours on a quart of gasoline—actual penny-an-hour operation! At a low cost, Rurlopwer will relieve you of battery-charging worries, old-fashioned lighting methods, and burdensome chores. Rurlopwer will save you enough time, money and effort to pay for itself in a few weeks. SEE PAGES 137, 138, 139, 142-144 FOR NEW KNIGHT 6 VOLT RADIO RECEIVERS—IDEAL FOR USE WITH RURLPOWER. COMPLETE 6 VOLT LIGHTING ACCESSORIES ARE SHOWN BELOW.

RURLPOWER SPECIFICATIONS

Rurlopwer is a sturdy-built portable unit, consisting of a gasoline engine driving a direct-connected 6 volt generator. The engine, of the famous Luson "Smooth-Flow" make, is a single cylinder, 4 cycle, "L" head vertical type, air-cooled, with a low-tension ignition system. It develops 1/2 H.P. at 2350 R.P.M., its governed speed. Gas tank capacity is one quart; one filling is enough to run the unit for 2 to 3 hours under load. An automatic governor maintains a constant speed over varying loads. A hand rope starter insures quick, easy starting. The specially built generator is a six volt, shunt-wound, high-efficiency unit, with an output of 150 watts and a charging rate of 20 amps. at 2350 R.P.M. Has ammeter to indicate rate of charge. Has positive circuit breaker for connecting and disconnecting the generator to the battery. A smoothing condenser eliminates any possible radio interference. Rurlopwer is the only logical answer to America's rural light and power needs. **\$29.95**
A10035. Rurlopwer unit complete as described, with battery clips, leads, and detailed instructions. Shpg. wt., 60 lbs. Size, 10" long, 11" wide, and 10" high. Retail Value, \$39.95. NET.



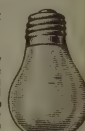
A complete kit of essential equipment for wiring the rural home. Enables you to take full advantage of electric light obtained from 6 volt storage battery. Provides modern lighting at low cost. Easily installed. A 6 volt battery charged by means of the Rurlopwer light plant, or Rurlopwer Windcharger will provide an abundance of soft restful illumination. The complete lighting system kit contains: 1—Porcelain double-pole entrance switch and fuse block, 2—30 Ampers fuses, 100 ft. roll No. 8 triple braided-covered weatherproof wire, 25 ft. roll twisted drop cord, 3—25 watt and 3—15 watt 6 volt light bulbs, 6—pull-chain sockets, 6—porcelain outlets, 6—porcelain nail-knobs, 2—6" porcelain tubes, 1—4 oz. roll of electric tape, 1—4 oz. roll rubber tape, and instructions. **\$7.95**
A2922. NET.

COMPLETE LIGHTING SYSTEM

Ken-Rad 6 Volt LIGHT BULBS

These high grade G.E. licensed light bulbs give maximum light from a 6 volt storage battery. Ideal for use in farm lighting systems, camps, lodges, house-trailers, etc. Made by KEN-RAD; nationally known for quality and life. These bulbs can be relied upon for long efficient service. Have standard Edison type base; inside frosted bulb gives soft even light diffusion. Write for attractive quantity prices. (Also available in 12 volt type; see listing on page 21.)

No.	Watts	Drain	EACH
A795.	15	2.5 Amp.	30c
A798.	25	4.2 Amp.	
A820.	50	8.5 Amp.	
A5469. PULL-CHAIN SOCKET. Pendant type, standard Edison socket with satin-finish brass shell. Heavily insulated; long life spring for positive on-off action. Bakelite top sleeve prevents fraying of cord. Threaded at bottom of shell to accommodate screw-on type reflector. With 6" pull-chain. 17c			
NET EACH.....			



and LOW COST RADIO POWER

NEW RURLPOWER GYROSCOPIC WINDCHARGER

Here is the most reliable Windcharger made today. True economy and convenience in storage-battery charging are now yours with this newly perfected Rurlpower Gyroscopic Windcharger. Costs nothing to operate—you get your power from the air—FREE. Important new exclusive features make this America's most dependable Windcharger. Will keep 6 volt and 12 volt radio or auto batteries fully charged without bother or inconvenience. Puts the wind to work for you. Delivers up to 16 amperes of 6 volt direct current. Features a new exclusive Delco-Remy generator which has been designed especially for Windcharger use. All that this is a brand new generator—not rebuilt or rewound—and will give long, dependable service. The Rurlpower Gyroscopic is ideal for use with the great new 1937 night 6 Volt Battery Radios described on pages 137, 138, 139, 142-144. Gives you consistently reliable radio reception because it keeps your batteries fully charged; quickly recharges for itself through savings on battery re-charging costs. Begins charging in a 1/2 mile per hour wind; propeller and generator are automatically self-adjusting to wind velocity through tip-back action. Protected against weather, ruggedly built for long life. Carefully engineered with distinct new refinements.



WITH NEW *Genuine*
DELCO-REMY GENERATOR

FREE POWER
FROM THE
WIND

EXCLUSIVE NEW FEATURES

- Charges 6 volt or 2 volt storage batteries at a rate up to 16 amperes.
- Genuine brand new Delco-Remy generator—especially developed for the Gyroscopic Windcharger.
- Generator has double-sealed ball bearings for smooth operation; low-wound to cut in at 350 R.P.M.
- Airplane type propeller is protected by special metal-sheathed leading edges.
- All electrical outlets are fully shielded against rain, snow, and storm.
- Pivoted equalizer bar carries proper spring tension to distributor and governor parts.
- Swivel throw-out collar automatically pulls propeller into correct position for any wind.
- Rotogrip distributor maintains double tension contact, yet permits free rotation of power head.
- Generator is mounted in offset tilting cradle for self-governing.
- Tail arms are rigidly bolted to main frame with tail vane solidly clamped in position.
- Six foot tower for mounting is rigidly constructed, easy to assemble. Entire Windcharger unit is perfectly balanced; smooth and noiseless in operation.

CHARGES ANY STORAGE BATTERY

The Rurlpower Gyroscopic Windcharger quickly and efficiently charges any 6 Volt Storage "A" Battery, or when used with resistor listed below will charge a 2 volt storage battery. Automatic cut-out prevents injury to battery. Governor controls speed of propeller to permit fullest use of generator. Simple pull-down wire attached to swivel-collar makes starting and stopping easy. To install, simply mount Windcharger on 6 foot tower on any unobstructed roof or in open space; attach lead wires from generator outlet to storage battery—the wind does the rest. May also be used for limited lighting service with heavy-duty battery.

10030. Rurlpower Gyroscopic Windcharger Complete. Includes Delco-Remy generator and head-mechanism, wired and ready to mount; includes 6 foot Tower, Propeller, Tail Vane, Ammeter panel, Cut-out, Battery clips, etc. Complete instructions supplied. Ship. wt., 75 lbs. At Price, \$29.95.

NET PRICE.

10031. 2 Volt Resistor for charging 2 Volt Storage Battery from Windcharger. NET.

\$19.75
COMPLETE
AMERICA'S
most DEPENDABLE
WINDCHARGER

ENJOY RADIO
AT ITS BEST

6 VOLT LIGHT PLANT ACCESSORIES

TABLE LAMP

An attractive table lamp of modern design combining pleasing appearance with soft even diffusion of light. An ideal reading lamp that harmonizes well with any type of room furniture. Overall height is 16" with colored parchment shade 10 1/2" in diameter. Decorated shade is cellophane-wrapped. Equipped with standard Edison socket, on-off switch. Supplied with 6 foot covered cord with male plug to fit standard Edison type bulb or socket.

\$1.05

1162. TABLE LAMP. 60 WATT BULB.

LIGHT PLANT WIRE

Weatherproof single conductor wire for use with Windcharger or Rurlpower plants. Solid copper conductor; triple cotton-covered and impregnated. For battery charging, use wire as follows: At a distance of 75 feet from charger to battery, use No. 6; at 50 feet, use No. 8; at 25 feet, use No. 10; at 15 feet, use No. 12. For a single 6 volt 25 watt lamp; 150 feet from battery, use No. 8; 75 feet, use No. 10; 50 feet, use No. 12; 30 feet or less, use No. 14.

No.	Size	100 Ft.	Per Ft.
A2490	6	\$5.25	5 1/2 c
A2491	8	3.75	4 c
A2492	10	2.25	2 1/2 c
A2493	12	1.75	2 c
A2496	14	1.25	1 1/2 c

6 VOLT STORAGE BATTERIES

Especially designed for use with Rurlpower units. Heavy-duty, solidly constructed leak-proof batteries that will deliver a maximum of power. Overize plates and carefully sealed cells provide long efficient service. Ideally suited to farm lighting requirements due to their high current storage capacity.

A10021. 17 plate. For radio and not more than 1—25 watt lamp or 2—15 watt lamps. \$5 lbs. NET.

A10022. 21 plate, medium-duty type. For radio and not more than 2—25 watt or 4—15 watt lamps. 65 lbs. NET.

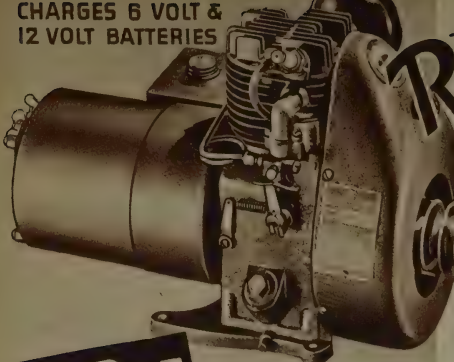
A10023. 25 plate heavy-duty type. For radio, and up to 3—25 watt or 6—15 watt lamps. 75 lbs. NET.

A10024. GLASS JAR DELUXE TYPE. Especially developed for farm lighting service. Unusually heavy plates insure continuous reliable operation over extended periods. Pilot cell indicates gravity test at all times. Supplied with a sturdy wood protective case, 125 lbs. NET.



\$10.45
For radio and
\$14.45
\$18.95
\$19.95

CHARGES 6 VOLT &
12 VOLT BATTERIES



Rurlopwer

DE LUXE MODEL

Low Cost **6 VOLT**
LIGHT &
POWER **PLANT**

Electricity for Everyone

\$39.95
COMPLETE

- WITH PUSH BUTTON STARTER
- CHARGES 6 TO 12 VOLTS: 150 TO 250 WATTS
- PUSH-BUTTON SELF-STARTING
- RUNS 4 TO 5 HOURS ON QUART OF GAS
- AUXILIARY POWER PULLEY DELUXE SPECIFICATIONS

Every worthwhile new mechanical development is incorporated in the 1937 Rurlopwer deluxe unit. New Lauson "Smoothflo" 4 cycle single cylinder "L" head vertical type 5/8 H.P. engine is aircooled and has suction-type carburetor and low-tension ignition system. Equipped with electric push-button self-starter; also has mechanical auxiliary starter. At 2550 R.F.M., develops 150 to 250 watts direct current 6 volt or 12 volt. Generator is 6-12 volt shunt-wound for high efficiency, and has special field control knob to regulate output for battery being charged, thus preventing overheating or overcharging. Generator is fully enclosed and protected; also has positive circuit-breaker and radio noise eliminator. One or more batteries connected in series or parallel may be charged with rate of charge adjusted accordingly. Ideal for multiple lamp 6 Volt Light Systems. Auxiliary pulley permits direct operation of many farm appliances. Fuel tank has capacity of one quart of gasoline, sufficient for 2 to 3 hours of operation under load; engine crank-case holds 3/4 gallon of oil. Built-in ammeter clearly indicates rate of charge. Weighs only 52 lbs. Measures 16" x 11" x 10"

This new DeLuxe Rurlopwer 6-12 volt plant includes all of the features of the standard model described on page 140 plus valuable extra advantages. It charges both 6 volt and 12 volt storage batteries and develops 150-250 watts of direct current. Also has push-button self-starting feature. Will keep storage batteries fully charged all the time for Radio and for 6 volt electric lights; has direct motor power pulley take-off for driving many farm appliances. Enjoy the full convenience and comfort of electric light and power. Extra power makes the DeLuxe Rurlopwer ideal for heavy-duty use. You can use a number of light bulbs and can also operate machines, cream separators, pumps, etc., requiring not more than 5/8 H.P. can be driven from pulley attachment. Eliminate forever the annoyance of run-down batteries and the expense and inconvenience of hauling batteries away for charging. Rurlopwer is compact, dependable, and efficient. New 4 cycle aircooled 5/8 H.P. engine of well-known Lauson "Smooth-Flo" make, is ruggedly built to stand up under heavy loads. Generator is especially designed for this unit. Economy of operation is startling; one quart of gasoline is sufficient to run the unit 2 to 3 hours under load. Rurlopwer brings Electricity to everyone—it solves the light, radio and power problems of un-wired rural homes—economically, conveniently.

SEE DESCRIPTIONS OF NEW KNIGHT 6 VOLT RADIOS ON PAGES 137, 138-139, 142-144, AND COMPLETE LISTING OF 6 VOLT LIGHT PLANT ACCESSORIES ON PAGES 140 AND 141.

RURLPOWER DELUXE MODEL COMPLETE

Complete DeLuxe Gas Engine and Generator as described, with battery clips, leads, and complete instructions. Shipping weight, 60 lbs.

A10034.

Retail Value, \$54.95.

YOUR PRICE

\$39.95

Knight 6 TUBE 6 VOLT BATTERY SUPERHET

OPERATES WITH AMAZING ECONOMY

- 3 FULL BANDS
- 6" AIRPLANE DIAL
- FULL A.V.C.
- 6" ORTHOVOX SPEAKER
- LOW 1.4 AMP. DRAIN
- VARIABLE TONE CONTROL

Here is a new Knight 6 volt radio which combines the advantages of all-electric utility with the economy of operation from a single 6 volt storage battery. No bothersome "B" or "C" batteries are required; the quiet long-life Mallory vibrator unit, spring-suspended in the cabinet, furnishes "B" and "C" power supply. Battery drain is only 1.4 amps. Complete continuous All-Wave coverage brings in everything on the air on three full bands: 17 to 52 and 52 to 172 meters for splendid foreign and domestic Short-Wave reception, and 172 to 565 meters for unusually powerful standard Broadcast programs—all delivered with full volume and true fidelity through the new heavy-duty Utah P.M. Dynamic speaker. This set is ideal for rural homes, camps, and isolated locations where electricity is not available. For most economical operation, we recommend the use of the Knight 6 Tube All-Wave Superhet with the new Rurlopwer gas engine plants or the Gyroscopic Windcharger, described on the preceding pages and above.

LATEST DEVELOPMENTS IN 6 VOLT RADIO

The latest and finest developments in 6 volt radio design have been included in this new Knight radio. Features: 6" illuminated airplane dial, 6" Utah Orthovox speaker, Full A.V.C., Variable Tone Control, rubber-cushioned tuning condenser of bar-type construction, separate pi-wound Litz wire I.F. coils, 10 tuned circuits, Glass "B" push-pull output stage. The efficient R.C.A. licensed Superhet circuit uses 6 multi-function low-drain Raytheon tubes: 1-6C6 as Det.-Osc., 1-34 as Amplifier, 1-30 as 2nd Det.-A.V.C., 1-30 as 1st Audio, 1-30 as Driver, 1-19 as Push-pull output. The receiver is beautifully presented in the newest roll-top design table cabinet of vertically striped walnut with streamline routing at top. Size: 17 1/2 x 20 1/2 inches. All of these fine features assure you of pleasing beauty and maximum performance in tone, selectivity, and sensitivity, with extreme economy of operation.

LESS "A" BATTERY

The Knight 6 Tube 6 Volt All-Wave Superhet complete with 1-6C6, 1-34, 1-30, 1-19 Raytheon tubes, Less 6 Volt "A" battery. Shpg. wt., 22 lbs. Code: DOOR. A9811. Retail Value, \$32.50.

\$25.85

SET COMPLETE

The Knight 6 Tube 6 Volt All-Wave Superhet complete with 6 Raytheon tubes and 1-6 Volt 100 Ampere hour Vesta Storage Battery. (No "B" or "C" batteries required.) Shpg. wt., 60 lbs. Code: LAKE. A9812. Retail Value, \$60.00. NET.....

\$30.20



RCA & HAZELTINE
LICENSED

3 FULL BANDS 17-565 METERS

*America's
Finest*

6 VOLT BATTERY RADIO



WITHELECTRIC EYE

R.C.A. & HAZELTINE
LICENSED



Knight 8 TUBE 6 VOLT SUPERHET

- 3 BANDS: 14-550 METERS
- R.F. ON ALL BANDS
- NEW DYNAMIC SPEAKER
- FULL ACTION A.V.C.
- VARIABLE TONE CONTROL
- BASS COMPENSATION
- LARGE OVAL DIAL
- BAND INDICATOR
- WORKS FROM 1 BATTERY

Now, for the first time, homes without electricity can have a radio with every single feature found only in the finest All-Electric receivers. A luxurious Knight 8 Tube Battery Superhet operating with unheard-of economy—uses only 1—6 volt storage battery—gets actual 10 tube efficiency with 8 new multi-function low-drain tubes. Tunes the world in three continuous bands: 14 to 53 meters for world-wide Short Wave reception; 52 to 190 meters for Amateur, Police, Ship and Airplane signals; 175 to 550 meters for coast-to-coast standard American Broadcast. A Battery Radio masterpiece, combining power, performance, one-battery economy, beautiful styling and outstanding value. Packed with the newest refinements and features

- **ELECTRIC EYE.** Exactly the same as used in expensive A.C. radio—an accurate visual way of tuning stations in perfectly.
- **LARGE OVAL AIRPLANE DIAL.** Each band has a separate easy-to-read scale clearly calibrated in kilocycles and megacycles.
- **VISUAL BAND INDICATOR.** Shows at a glance the band that is being tuned—always accurate.

- **NEW P.M. DYNAMIC SPEAKER.** Provides tone quality and volume equal to finest A.C. electro-dynamic speakers.
- **AUTOMATIC BASS COMPENSATION.** Brings up bass notes even at low volume for rich, full tone.
- **SELECTIVITY-FIDELITY CONTROL.** Assures sharp tuning; controls high-fidelity reproduction.
- **R.F. ON ALL BANDS.** An important feature making possible unprecedented sensitivity and selectivity.
- **AUTOMATIC VOLUME CONTROL.** Maintains uniform volume, free from distortion.
- **VARIABLE TONE CONTROL.** Permits accentuation of bass or treble to suit personal tastes.
- **3 GANG CONDENSER.** Heavy-duty type; rubber-floated for maximum stability.
- **LOW-DRAIN CIRCUIT.** Uses 15 as R.F.; 6A7 as Mod.-Osc.; 15 as I.F.; 75 as Det.-A.V.C.; 15 as 1st Audio; 75 as 2nd Audio; 10 as Power Output; 6B5 as Electric Eye. Total drain only 2.8 amps.
- **LAMP ATTACHMENT.** Has socket at chassis rear for connection to six volt floor or table lamp. Ideal for use with 6 Volt plants or Windchangers. See Pages 140-142.

\$42.85
WITH R.C.A. TUBES

SPLENDID STYLING

The Knight 6 Volt All-Wave 8 tube Superhet is presented in a luxuriously-designed "lay-down" table model cabinet. The front and top are of one piece, attractively striped walnut enhanced by V-matched contrasting trim strip and beautifully matched grained sides. Hand-rubbed to a high plane finish. Dimensions: 23"x13 1/2"x13". The ultimate in fine cabinet design.

LESS "A" BATTERY

The Knight 8 Tube 6 Volt 3 Band Superhet is offered in table cabinet with 8 inch P.M. Dynamic Speaker and R.C.A. low-drain tubes. Less 6 volt "A" battery. Shipping weight, 40 lbs. Code: TRIM.
A9833. Retail Value, \$87.50.
\$42.85
YOUR PRICE.....

SET COMPLETE

The Knight 8 Tube 6 Volt Superhet in table cabinet, complete with 8" speaker, R.C.A. tubes and 1—Vesta 130 Ampere hours 6 Volt Super Heavy Duty Storage "A" Battery. (No "B" or "C" batteries required.) Shipping weight, 83 lbs. Code: LOOP.
A9834. Retail Value, \$98.50.
\$49.35
YOUR PRICE.....

BEAUTIFUL NEW CONSOLE MODEL

The Knight 8 Tube 6 Volt Battery Superhet is offered also in the artistically designed console illustrated at the left. The front of this luxurious cabinet is of selected burl walnut with beautifully figured carved side pilasters, enhanced at top and side by streamlined beading. Designed with a recessed grille for finest acoustical results. Dimensions: 40" high, 25 1/2" wide, 14" deep. A perfect cabinet for America's finest battery radio.

LESS "A" BATTERY

The Knight 8 Tube 6 Volt 3 Band Superhet in floor console with 10 inch P.M. Dynamic Speaker and R.C.A. low-drain tubes. Less 6 volt "A" battery. Shipping weight, 65 lbs. Code: TOWN. The finest battery radio money can buy.
A9835. Retail Value, \$107.50.
\$54.95
YOUR PRICE.....

CONSOLE COMPLETE

The Knight 8 Tube 6 Volt Superhet in console, complete with 10" speaker, R.C.A. tubes and 1—Vesta 130 Ampere hour 6 Volt Super Heavy Duty Storage "A" Battery. (No "B" or "C" batteries required.) Shipping weight, 108 lbs. Code: LARK.
A9836. Retail Value, \$118.50.
\$61.45
YOUR PRICE.....



3 FULL BANDS: 14-550 METERS

Knight 6 TUBE 6 VOLT All Wave BATTERY SUPERHET

REQUIRES ONLY ONE BATTERY

3 FULL BANDS: 17-555 METERS

- Low 1.25 Amp. Drain • 6½" 3-Color Dial
- Full A.V.C. Action • Variable Tone Control
- New P.M. Dynamic Speaker • Push-Pull Output

A new continuous All-Wave 6 Tube Knight 6 Volt Battery Superheterodyne that leads the field. Combines all the advantages and convenience of all-electric radio operation with thrilling All-Wave coverage and an economy of operation never before attained in a battery receiver. Operates entirely from a single 6 volt storage battery; does not require "B" or "C" batteries—DRAWS ONLY 1.25 AMPERES. Costs less to operate than any other battery radio; simply requires inexpensive charging of 6 volt "A" battery. (See pages 140-142.) Eliminates bother and extra expense. Ideal for rural homes, summer cottages and isolated locations. Tunes 17-555 meters on three continuous wave bands. Covers 17 to 52 and 52 to 175 meters for thrilling Short Wave reception of foreign programs, amateurs, airplanes and police calls. Tunes 175 to 555 meters for unusually powerful standard Broadcast reception. Presented in an attractive table cabinet with two-tone walnut face, and beautiful new roll-top effect. 15¼x12½x20 inches. Variable Tone Control for bass or treble emphasis; uses the latest long-life full-wave self-rectifying "B" and "C" supply with plug-in vibrator; has a giant 6½" illuminated Airplane Dial with 15 to 1 vernier tuning ratio. Uses the latest low-drain tubes for extra efficiency; rubber-floated tuning condenser; 11 tuned circuits; high-gain Ritz-wound coils, etc. A powerful 6 inch Permanent Magnet Dynamic speaker, equal to the finest electro-dynamic types, handles full volume without distortion for highest fidelity.

\$26.95
WITH
R.C.A. TUBES

RCA & HAZELTINE LICENSED

**COSTS PRACTICALLY NOTHING
TO OPERATE**

LESS "A" BATTERY

The Knight 6 Tube 6 Volt Superhet in table model cabinet complete with 8" speaker and 1—1C6, 1—34, 1—19, 2—30, and 1—32 R.C.A. tubes. Less 6 Volt "A" battery. Code: LINK. Shpg. wt., 22 lbs.

A9884. Retail Value, \$54.50. YOUR PRICE... \$26.95

SET COMPLETE

The Knight 6 Volt Superhet complete with tubes and 1—6 Volt Vesta 100 Amp. hour Storage battery. (No "B" or "C" batteries required.) Code: CORD. Shpg. wt., 60 lbs. The leading 6 Volt Radio value.

A9885. Retail Value, \$62.00. YOUR PRICE... \$31.30

BEAUTIFUL 6 VOLT CONSOLE MODEL

The Knight 6 Tube 6 Volt Battery Superhet is also offered in the attractive console model illustrated at the left. Beautifully designed and built. Center panel is of matched figured walnut enhanced by a rolled top and gracefully fluted pilasters. Size: 39½" high, 22" wide, 12" deep. Furnished with full 8 inch P.M. Orthovox speaker. An outstanding 6 Volt Radio value featuring: All-Wave coverage—17 to 555 meters; full A.V.C.; Tone Control; 6½" Airplane Dial; 1.25 Amp. drain; multi-function tubes; rubber-cushioned condenser; plug-in type built-in vibrator "B" and "C" power supply; 11 tuned circuits, etc.

LESS "A" BATTERY

The Knight 6 Volt All-Wave 6 In console with 8 inch Orthovox speaker complete with R.C.A. tubes. Less 6 Volt "A" battery. Code: HARP. Shpg. wt., 50 lbs.

A9886. Retail Value, \$72.50. YOUR PRICE... \$37.50

SET COMPLETE

The Knight 6 Volt All-Wave 6 Tube Superhet in console, complete with 8" speaker, tubes and 1—6 Volt Vesta 100 Ampere hour Storage "A" battery. (No "B" or "C" batteries required.) Code: FOUR. Shpg. wt., 88 lbs.

A9887. Retail Value, \$85.00. YOUR PRICE... \$41.85

CHASSIS MODEL ONLY

The Knight 6 Tube 6 Volt All-Wave Superhet is offered in chassis form. Furnished with 8" Orthovox speaker. Size: 8x8x11¼".

LESS BATTERY

The Knight 6 Tube 6 Volt chassis with 8" speaker and 1—1C6, 1—34, 1—19, 2—30, 1—32 R.C.A. tubes. Less 6 Volt "A" battery. Code: RAYS. Shpg. wt., 18 lbs.

A9882. Retail Value, \$51.50. YOUR PRICE... \$25.45

COMPLETE

The Knight 6 Volt 6 Tube chassis complete with 8" speaker, tubes and 1—6 Volt Vesta 100 Amp. hour Storage battery. (No "B" or "C" needed.) Code: FEED. Wt., 56 lbs.

A9883. Retail Value, \$59.00. YOUR PRICE... \$29.80

SEE PAGES 140-142 FOR COMPLETE LISTING OF RURL-POWER GAS-ENGINE AND WINDCHARGER UNITS.

Knight 5 TUBE BATTERY SUPERHET TUNES 175-550 METERS

OPERATES ON 3 VOLT DRY "A"—2 VOLT STORAGE BATTERY OR EVEREADY AIR CELL

- New Oval Airplane Dial • "On-Off" Indicator
- Tunes Police Calls • Low Battery Drain
- Full A.V.C. Action • P.M. Dynamic Speaker
- Battery Space in Cabinet • Newest Tubes

A wonderful value in a new powerful, low-priced economically-operated five tube farm radio that is capable of strong reception, sharp selectivity and true-to-life tone quality. Tunes 175 to 550 meters, covering some police signals in addition to American Broadcast reception. Equipped with the newest large oval Airplane Dial which features an exclusive and unique visual "on-off" indicator. The dial is calibrated directly in kilocycles and is extremely easy to tune. The very latest low-drain tubes are used for extra tube power and efficiency and for clear-toned reception. When used with a 3 volt "A" battery, "B" battery drain is only 14 M.A.; "A" battery drain is only .5 Amps. Full Automatic Volume Control is incorporated for noise-free reception with uniform volume on all stations, far and near. The new type 1F6 triple-purpose low-drain tube is used to increase efficiency and power with maximum operating economy.

LOW DRAIN

The new Knight 5 Tube Battery Superhet is one of the most economical farm radios made today. The visual "on-off" indicator eliminates the necessity for an extra pilot lamp and conserves battery energy. The receiver may be operated from either a 3 Volt Dry "A" battery, a 2 Volt Storage battery or an Eveready Air Cell. Our listing offers the Knight 5 for economical operation with a 3 Volt Dry "A" battery. (If desired with Air Cell, add \$1.88. If desired with 2 Volt Storage "A" battery, add \$1.32.)

A POWERFUL NEW CIRCUIT

The very latest type of R.C.A. and Hazeltine licensed circuit is used in the Knight 5 Superhet. This is definite assurance of efficient and economical battery radio design. Newest low-drain tubes are used as follows: 1C6 as Mod.-Osc.; 34 as I.F.; 1F6 as Det., A.V.C. 1st Audio; 43 as Power output; 5E1 as voltage regulator. Automatic Volume Control and diode detection to prevent distortion and to eliminate fading, is an unusual feature seldom found in a set of this type. A heavy-duty tuning condenser is employed for sharp selectivity and stable, sensitive performance. A super-efficient permanent magnet dynamic speaker handles full volume without distortion. All vital circuit components are thoroughly shielded.

BEAUTIFUL TONE

The Knight 5 Battery Superhet attains an unusual degree of tonal beauty. It uses a type 33 low-drain tube in a powerful output stage to achieve large flawless volume. This volume is beautifully handled without distortion by the heavy 6 inch permanent magnet dynamic speaker. You will enjoy the full, faithful tone of the Knight 5. It is comparable in clarity and brilliance to the tonal output of the finest all-electric radios. The Knight 5 is offered with the sincere belief that it is the finest battery radio that can be built at so low a price.



RCA & HAZELTINE LICENSED

\$16.95
WITH
R.C.A. TUBES

The Knight 5 Battery Superhet is housed in a handsome cabinet of selected veneer, distinctive maple overlay, with attractive walnut finish. Equipped with new oval Airplane Dial with the exclusive "on-off" visual indicator feature, 17 1/2" high, 14 1/2" wide, 12" deep. Has space for all batteries.

TABLE MODEL

The Knight 5 Tube Battery Superhet in table cabinet with 6" speaker and R.C.A. tubes. Less batteries. Shpg. wt., 20 lbs. Code: RACE.
A9826, Retail Value, \$34.50, NET.
A9832, BATTERY KIT FOR 5 TUBE SUPERHET. Includes: 2-45 Volt "B," 1-22 1/2 Volt "C" and 1-Burgess Dry "A" Batteries. Shpg. wt., 37 lbs. NET..... \$4.40

CONSOLE MODEL

Knight 5 Battery Superhet in Console Model shown below, with 8" speaker and R.C.A. Tubes. Less Batteries. Shpg. wt., 46 lbs. Code: CITY.
A9828, Retail Value, \$57.50, NET..... \$27.85



Knight 6 TUBE BATTERY Dual Wave SUPERHET

A new 6 Tube 2 Volt type Superhet, similar in design to 5 tube model above, but with additional wave band and other refinements. Tunes 48-130 meters and 175-550 meters for actual 3 band utility, covering all standard Broadcast, Police Calls, some Amateur and Airplane channels, and the popular 48 meter Short Wave band on which many foreign stations are heard. Uses the following tubes: 1-1C6, 1-34, 1-1F6, 1-80, 1-19, 1-5H1. Has new oval airplane dial, visual "on-off" indicator, Tone Control, full A.V.C., permanent-magnet dynamic speaker. Extremely low battery drain. High sensitivity; splendid distance reach; flawless tonal output. Available in both table and console models. Table model is of beautiful modern design with front of choice walnut. Measures 18x8x11 inches.

LESS BATTERIES

Table model, as illustrated, complete with 6" permanent magnet dynamic speaker and R.C.A. tubes. Shpg. wt., 18 lbs. Code: COOL.
A9839, Retail Value, \$44.50, NET..... \$21.85

WITH BATTERIES

Table model complete with speaker, R.C.A. tubes and 3-45 Volt "B," 2-4 1/2 Volt "C" and 1-Burgess Dry "A" batteries. Shpg. wt., 65 lbs. Code: RCH.
A9840, Retail Value, \$53.50, NET..... \$26.95

CONSOLE MODEL

The Knight 6 Battery Superhet is available also in a beautiful console model. Front face of matched stump natural enhanced by fluted plasters. Size, 88x22x11 1/2.

LESS BATTERIES

Console model, with 8" permanent magnet speaker and R.C.A. tubes. Less batteries. Shpg. wt., 48 lbs. Code: GATE.
A9841, Retail Value, \$65.00, NET..... \$32.85

WITH BATTERIES

Console model with speaker, R.C.A. tubes and 3-45 volt "B," 2-4 1/2 Volt "C" and 1-Burgess Dry "A" batteries. Shpg. wt., 95 lbs. Code: ARCH.
A9842, Retail Value, \$74.00, NET..... \$37.95



Knight 6 TUBE All-Wave 32 VOLT SUPERHET

\$33⁴⁵
WITH RAYTHEON
TUBES

R.C.A. &
HAZELTINE
LICENSED

\$23⁴⁵
WITH RAYTHEON
TUBES

- 3 FULL BANDS • 17 to 555 METERS • FULL DYNAMIC SPEAKER
- FULL A.V.C. • TONE CONTROL • PUSH-PULL OUTPUT • LOW DRAIN
- ALL-ELECTRIC • GIANT AIRPLANE DIAL • 10 TUNED CIRCUITS

World-Wide Tuning Range. The finest 6-Tube 32 Volt Superhet built today. Offers an ideal combination of continuous All-Wave reception on three full bands from 17 to 555 meters, together with absolute all-electric operation from any 32 Volt light source. Covers all foreign and domestic Short Wave channels between 17-52, and 52-175 meters. Tunes American and Canadian standard Broadcast powerfully between 175 and 555 meters. A luxurious all-electric 32 Volt receiver with every new and advantageous feature of the finest A.C. sets. Powerful; economical; dependable—an outstanding value.

Works from Any 32 Volt Source. The Knight 32 Volt Superhet is entirely all-electric. No batteries or power units are required; there is nothing to go wrong. Uses the new type 48 tubes which operate directly from any 32 volt source for truly all-electric convenience, power and economy.

Giant Airplane Dial. A giant-size colored Airplane Dial is used in the Knight 6 Tube 32 Volt Superhet. It is illuminated and calibrated on each band. Scales are easy-to-read; calibrated in kilocycles for 52-175 and 175 to 555 meter bands—in megacycles for 17 to 52 meter band. The new "Tell-time" tuning feature is also included for quick program relocation. This consists of an extra scale calibrated like the face of a clock. Simply associate your favorite program with the number on which it is tuned.

Latest Features. Every advanced feature found in the finest A.C. receivers has been incorporated in the Knight 6 Tube 32 Volt Superhet. These include: full A.V.C. on all three bands for freedom from noise and for uniform volume; Continuously Variable Tone Control for bass or treble accentuation as desired; smooth, accurate wave-band switch; latest bar-type rubber-cushioned tuning condenser; full new Vita-Tone Dynamic speaker; the latest multi-function tubes; litz-wire pi-wound coils; 10 tuned circuits, etc.

Actual 8 Tube Efficiency. The Knight 6 Tube Superhet offers the last word in luxurious 32 Volt radio reception. It is completely all-electric in operation. Simply plug it into the 32 Volt line and you are ready to enjoy flawless radio programs brought to you with all-electric convenience and power. The new R.C.A. and Hazeltine licensed circuit is your assurance of high sensitivity, sharp selectivity and clear vigorous tone. The latest multi-function tubes are used for actual 8 tube efficiency as follows: 6A7 as Det.-Osc.; 6D6 as I.F.; 75 as triple-purpose 2nd Det., A.V.C. and Audio; 78 as driver; 2-18 tubes as push-pull output stage. High-gain litz wire pi-wound double-tuned I.F.'s achieve remarkable sensitivity resulting in surprising distance reach. Total drain is only 35 watts. Push-pull output develops large power which is capably rendered by the heavy-duty electro-dynamic speaker as a brilliant, faithful tone. Here is the outstanding value in the finest, most economical 32 Volt radio made today.

TABLE MODEL

The Knight 6 Tube 32 Volt Superheterodyne is fittingly presented in a new roll-top design table model cabinet. Has front panel of choice striped walnut with beaded slides and streamlined routing lines. Measures 17x13½x9¾". Vita-Tone dynamic speaker and 1-6A7, 1-6D6, 1-75, 1-78 and 2-18 Raytheon tubes. A wonderful 32 Volt value.

Shipping wt., 22 lbs.
Code: FLOW.

A9B13.
Retail Value, \$47.50.
YOUR PRICE..... **\$23⁴⁵**

CONSOLE MODEL

The Knight 6 Tube 32 Volt All-Wave Superhet is also available in the magnificent new console illustrated above at left. Beautifully built of choice woods, with instrument panel of matched stung walnut and vertically grained curved plasterite. Measures 37" high, 23" wide and 12¾" deep. Equipped with giant 8 inch illuminated Airplane Dial as illustrated. Includes full 8 inch Vita-Tone concert dynamic speaker. Complete with Raytheon tubes. For operation from any 32 Volt line. Shipping wt., 80 lbs.
Code: FIND.

A9B14.
Retail Value, \$67.50.
YOUR PRICE..... **\$33⁴⁵**

CHASSIS MODEL

The new Knight 6 All-Wave 32 Volt Superhet is available in chassis form as illustrated. Supplied with full-8 inch Vita-Tone Electro-dynamic speaker. Circuit is perfectly aligned and effectively shielded. A deluxe chassis in every detail. Full-sized; measures 9½ inches wide, 8½ inches deep, and 7½ inches high. For 32 Volt operation. Complete with Raytheon tubes. Shipping wt., 17 lbs. Code: NEAR. An ideal radio receiver chassis that will make a perfect replacement in the finest console. Priced amazingly low.

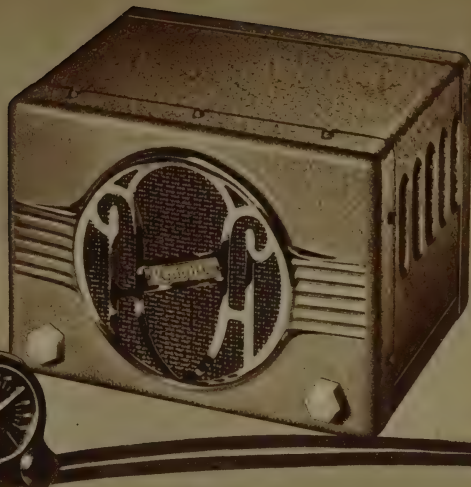
A9B15.
Retail Value, \$42.50.
YOUR PRICE..... **\$20⁴⁵**

ALL-ELECTRIC

17-555 METERS

Suppressorless

AUTO RADIO



R.C.A. & HAZELTINE LICENSED

Knight 6 TUBE SUPERHET

- NO SUPPRESSORS • LATEST OCTAL GLASS TUBES • DYNAMIC SPEAKER
- FULL A.V.C. • 3 GANG CONDENSER • TONE CONTROL • ILLUMINATED DIAL
- QUADRUPLE FILTERING • FITS ANY CAR • MATCHES ANY DASH

A WONDERFUL AUTO RADIO VALUE

The very latest and finest 6 Tube Superhet Auto Radio—designed to bring you, while driving, all of the power and tonal beauty of the finest home type radio receivers. The last word in luxurious and powerful auto radio entertainment. Entirely All-Electric and completely self-contained in an attractive ventilated steel case for under dash mounting in any type of car. Single bolt mounting makes installation quick and easy. The Knight 6 uses the latest Superhet circuit built around the newest multi-function octal base glass tubes. Develops exceptional sensitivity and selectivity; has low current consumption, marvelous tone and big uniform volume. Quadruple filtering makes the Knight 6 completely suppressorless,

assuring quiet, noise-free reception wherever you drive.

Outstanding features are: Smooth Automatic Volume Control for uniformly powerful fade-proof performance; variable Tone Control to permit emphasis of bass or treble to individual taste; heavy-duty Electro-dynamic speaker of exceptional fidelity; full 3-gang geared rubber-cushioned tuning condenser for high gain and stability; latest transversely illuminated Airplane Type Dial for easy and accurate tuning; new sensitivity control, 7 tuned circuits, iron-core antenna coil, etc. For built-in dependability, convenience, economy and attractiveness, the Knight 6 Tube Auto Superhet is an unsurpassed value at our low price.

\$22.45
WITH RAYTHEON TUBES

VERY LATEST FEATURES

Every outstanding Auto Radio feature has been incorporated in the Knight 6 to assure superb tone quality, dynamic power output, unusually wide distance reach, and easy, quick installation in any car. Fits all makes and models. Entirely contained in a newly designed drawn metal case with attractive chromium-plated grille. Speaker and power supply are built-in. Case measures only 9 1/2 x 8 1/2 inches. Well-ventilated; designed for single hole mounting under dash. Can be used with steering column remote control as shown in photograph above, or with special dash mounting controls for new cars with radio compartments as listed below. The Knight 6 operates with any built-in car aerial. If there is no aerial in your auto see our listing on page 149. The Knight 6 is a remarkably dependable Auto Radio, outstanding for smooth noise-free operation, large power, flawless tone, low-draw and low cost. Joy on the highway—it's yours always with a Knight 6 in your car.

DASH MOUNTING PANELS

Special matching controls for dash mounting in popular new cars are listed below. When ordering, be sure to specify car make, model and year.

TYPE A. De Soto—De Luxe, Airstream; De Soto—Custom; Ford—De Luxe; Ford—Standard; Lincoln Zephyr; Hummobile—Six; Hupmobile—Eight; Lafayette; Nash—400; Nash—Ambassador Six; Nash—Ambassador Eight; Packard 120; Plymouth—Standard; Studebaker—Dictator; Studebaker—President; Hudson—Terraplane; Auburn.

THESE CONTROLS ARE SOLD ONLY WITH THE KNIGHT 6 AUTO SET AT THE PRICE OF THE SET COMPLETE (\$22.45) PLUS 55c.

TYPE B. Chevrolet—Master and Standard; Chrysler—Airstream, 6, 8 and Airflow; Dodge; Oldsmobile; Plymouth—De Luxe; Pontiac—Six and Eight; Cadillac—La Salle.

THESE CONTROLS ARE SOLD ONLY WITH THE KNIGHT 6 AUTO SET AT THE PRICE OF THE SET COMPLETE (\$22.45) PLUS \$1.40.

QUADRUPLE FILTERING

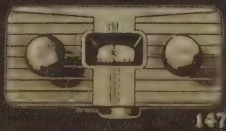
The Knight 6 Tube Auto Radio is brilliantly engineered. A special filter network eliminates the necessity for spark plug suppressors. Has a new antenna filter system and includes four complete filter circuits in the "A" and "B" leads assuring consistently quiet and uniform reception under all conditions. The latest type of easily accessible plug-in vibrator is incorporated. The entire power supply unit is completely and effectively shielded. A local-distance switch is also provided. All coils are wound of high-gain Iitz wire and the antenna coil has an iron core assuring high uniform gain.

SET COMPLETE

The Knight 6 Tube Auto Superhet is offered complete with 1—6AR6, 2—6KT6, 1—6Q7G, 1—6FG6, and 1—6Z4 Raytheon tubes. Includes remote control.

Installation. With hardware and condenser. (Dash panel controls for popular new cars are listed at left at small additional cost.) Less aerial. Shipping wt., 21 lbs. Code: PAIR. A9820. Retail Value, \$37.50. YOUR PRICE **\$22.45**

Easy to install in any car
FITS ANY CAR MATCHES ALL DASHES



**FITS ANY CAR
MATCHES ALL DASHES**

1 Knight SUPPRESSORLESS 6 AUTO RADIO 6 Tube Superhe with METAL TUB

- ALL-ELECTRIC
- NO SUPPRESSORS
- FULL A.V.C.
- TONE CONTROL
- 3 GANG CONDENSER
- NEW METAL TUBES
- 6 1/2" DYNAMIC SPEAKER
- AIRPLANE DIAL
- EXTRA SPEAKER PROVISION
- LOW DRAIN

The finest 6 Tube Auto Radio money can buy. Designed with the precision, ruggedness and quality demanded by the automotive industry. Unparalleled for tonal brilliance, large dependable power and outstanding new refinements. Complete Noise Suppression is achieved by the use of six special filters which assure the enjoyable noise-free operation provided by the finest house type receivers. The Knight 6 De Luxe Auto Radio fits any car easily. Its compact size (7 1/4 x 7 1/2 x 8 1/2") and single hole mounting feature adapt it for easy mounting in any one of four positions. Only 1 battery and 1 aerial connection are required. The rugged construction of the entire receiver assures a secure and permanent vibration-free installation. The use of two of the new genuine metal tubes promotes stability and freedom from interference. Tuning mechanism is fully illuminated. True A.V.C. prevents fading and keeps volume at constant level. Variable Tone Control permits tonal emphasis as desired. The large 6 1/2" electro-dynamic speaker is designed to deliver flawless tone.

\$23⁸⁵

**WITH R.C.A.
TUBES**

RCA & HAZELTINE LICENSED

9 TUBE EFFICIENCY—6 TUBE ECONOMY

The Knight 6 Tube De Luxe Superhet incorporates the latest RCA and Hazeltine licensed circuit. The use of dual-purpose and triple-purpose tubes assures actual 9 tube efficiency with 6 tube economy. A 3 gang rubber-cushioned condenser with a noise-reducing pre-selector stage of R.F. amplification, a newly developed iron-core antenna coil and double-tuned I.F. transformers positively assure 1 microvolt sensitivity and 10 K.C. selectivity. All parts (including fixed condensers) are securely bracketed to resist vibration. Case is of heavy-gauge rust-proof steel, well-ventilated, with complete dust-proof provision for speaker and condenser. Patented antenna circuit gives maximum efficiency with any type of auto aerial. The Knight 6 De Luxe is really a Custom Auto Radio designed to fit and match all cars by the use of the special remote control mounting kits listed below. No other Auto Radio offers the luxurious performance and exclusive features incorporated in the new Knight 6.

KNIGHT 6 COMPLETE

The Knight 6 Tube De Luxe Auto Radio is offered complete with 1—6K7, 1—6F6, 1—6D6, 1—6A7, 1—75, and 1—81 Raytheon tubes. With flexible shafts, tuning control mechanism and hardware. (Does not include mounting panel and knobs shown in photograph. See listing below for proper panel kit to fit your car.) Code: SHOW.

A9880.
Retail Value, \$39.50
NET **\$23⁸⁵**

TWIN DYNAMIC SPEAKER

For added radio enjoyment, plug-in provision is made in the Knight 6 De Luxe for an additional speaker. Can be mounted against roof or back of front seat.
A9642. Extra speaker for installation against the roof or founess of car above windshield. For 1936 Dodge and Plymouth.
A9643. Extra speaker for installation against roof of 1936 Ford, Chevrolet, Pontiac, Oldsmobile, and Buick. Also adaptable for all other cars.
YOUR PRICE **3⁴⁵**
EACH.

SPECIAL CONTROL MOUNTING KITS

A9647. TYPE A. Universal control which adapts tuning mechanism of Knight 6 Tube Auto Radio to fit the steering wheel column on any car or to fasten to the lower edge of the dash instrument panel.

A9648. TYPE B. Custom control for mounting on dash panel of cars equipped with ash tray compartment. When ordering, be sure to specify make, model and year of car, indicating whether de luxe or standard.

NET EACH

95c

FORD 1935-36

SUB-DASH MOUNTING

**CHEVROLET 1936
and PONTIAC 1936**

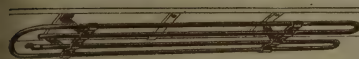
PLYMOUTH

DODGE

OLDSMOBILE

AUTO RADIO ACCESSORIES

"REDHEAD" SENIOR AUTO ANTENNA



BETTER PICKUP—LESS NOISE

ADJUSTABLE BRACKETS

The "Redhead" Auto Antenna has mounting brackets of malleable iron which are easily bent to conform to any particular type of installation; quickly adjustable over entire length of antenna assembly. No drilling is required as the bolts already in the running-board are used. Distance of antenna below running-board is adjustable from 2" to 4 1/2".

An entirely new, scientifically designed running-board antenna of remarkable efficiency. Gives strong signal strength with minimum pickup of ignition noise. Is of all-metal construction with new overall rubber covering which makes it absolutely waterproof and rust-resisting.

EASY TO INSTALL

Installation is quickly made. Entire streamlined assembly is firmly welded and is vibration-proof. There are no springs, wire, etc. to rattle or loosen. Has set-screw connection for antenna lead-in. Completely insulated. Once installed, requires no further attention. Length, 46"; width 9". Wt. 7 lbs. **\$1.47**
A9141. YOUR PRICE.

KNIGHT DE LUXE AUTO AERIAL

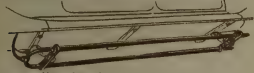
The finest auto aerial made. Capacity type, coupling to ground for maximum undistorted pickup. Reduces fading to a minimum. Rust-proof and rattle-proof, with live rubber insulation. Sturdily constructed to withstand road shock. Ideal for use with any type of auto radio. All metal—adjustable.

Makes an absolutely permanent and efficient installation. Quickly and easily installed out of sight under car. Requires no drilling. Adjustable in length to 43 1/2". 8 inches in width. May be raised or lowered.



A9140. Complete with clamps, bolts, insulators and instructions. Wt., 8 lbs. **\$1.10**
EACH

R.C.A. AUTO ANTENNA CARFLO AUTO AERIAL



A sensational auto antenna based on a fundamental principle which assures maximum results with any auto radio. A necessity on new all-steel and turret-top cars. Noise from nearby sources is eliminated by cancellation effect caused by shape of antenna. Universal mounting brackets. S.H.P. wt., 4 lbs. RCA STOCK NO. 9605. List Price, \$2.60. **\$1.55**
A9545. YOUR PRICE.



A new development in auto antenna design. Non-directional; gives better reception, greater efficiency. Easy to install; rubber vacuum cups attach aerial securely to car. Has pure copper base and is of one-piece construction. With Chromium finish. NET.... **\$3.53**
A9549. Same as above but in a polished copper finish; can be ducod to match color of car. NET.... **\$2.94**

TOBE AUTO-POLE AERIAL

Consists of a telescoping rod, insulated mounting bracket and lead-in. Comes pre-wired and assembled and can easily and instantly be attached to the rear bumper bracket of any car. Isolated from motor noises; has more effective signal pickup. Full height is 8 ft.; telescopes to 3 ft. **\$2.32**
A9543. NET....

WARD LONG-RANGE TWINS

A new twin auto antenna entirely sealed in rubber. Has pick-up power equivalent to that of any roof aerial. Absolutely weather-proof. Mounts under running boards. Designed to preserve full signal strength and efficiency. Comes complete with wire. Wt. 7 lbs. **\$2.35**
A9544. YOUR PRICE.

FORD VS CONDENSER

Especially designed to fit the new Ford V8 distributor head. Special metal bracket assembly of filter unit exactly fits bolts which hold the bakelite distributor head in place. Required in all Ford V8 cars equipped with Auto Radios. **\$27c**
A5921. YOUR PRICE.

RCA RADIO LOCK

Will prevent theft of auto radio sets. Fastens over nut holding set in car. Special bushing fits all makes of auto radio sets. Yale lock barrel. **\$81c**
A7325. List \$1.35. NET....

KNIGHT AUTO RADIO SUPPRESSORS



Sturdy, efficient carbon type suppressors for use on any automobile engine. Heat- and moisture-proof. Well-built to withstand constant vibration. Resistance element enclosed in polished bakelite case except type "D" which illustrates new type for Ford V8. This unit replaces original distributor brush and acts as distributor suppressor.

A6990. A. Spark Plug Type.
A6991. B. Distributor Type.
A6992. C. Cable Type.
A6994. E. Short Buick Type.
SET OF 5.....\$0.55
SET OF 7.....79c
SET OF 9.....1.00
YOUR PRICE, EACH..... **12c**
A6995. D. Special 50,000 ohm
Ford V8 Brush Type. NET..... **12c**

LOW RESISTANCE WIRE-WOUND SUPPRESSORS



Extremely effective in eliminating motor noises. Positively will not affect operation of motor because of low resistance—120 ohms. Molded bakelite heat-resisting cases contain RF choke coils wound with enameled wire.

A5560. Plug type. **\$27c**
A5561. Dist. type.
10 FOR \$2.55. EACH.....

CONDENSER & CHOKE UNIT



Consists of a .5 ampere choke and dual 1/2 mfd. condenser in compact metal case 2 1/2" x 1 1/2". Especially suited to filtering of light cables or "A" supply.

A2940. EACH..... **43c**

AUTO RADIO FILTERS

SINGLE CAPACITORS



Metal-cased compact by-pass condensers for use on generators, ammeters, horns, light cables, etc., to eliminate noise.

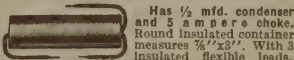
A2942. 1/4 MFD. Round metal container 3/4" x 2 1/2". Single lead with lug. **15c**
For horn. EACH.....

A2943. 1/2 MFD. Round metal container 3/4" x 2 1/2". Single lead with lug. **19c**
For coil. EACH.....

A2944. 1 MFD. Round metal container 1 1/4" x 2 1/2". Single lead with lug. **24c**
For Generator. EACH.....

A2945. 1 MFD. 1 1/4" x 2 1/2". Heavy duty for use near motor. **32c**
For generator. EACH.....

DOME LIGHT FILTER



Has 1/2 mfd. condenser and 5 ampere choke. Round insulated container measures 7/8" x 3/4". With 3 insulated flexible leads.

A2941. YOUR PRICE
EACH..... **32c**

ROOF TYPE AUTO ANTENNA

Can be installed anywhere in car. Contains sheet copper in heavy neat felt covering. Rigid type; 18" x 28". Complete with mounting grommets. Gray or tan to match roof linings. 1 1/2 lbs. **65c**
A7574. Gray.
A7571. Tan. NET, EACH....

Axle to Axle Aerial

High pick-up auto aerial for installation underneath car from front to rear axles. Fitted with straps for quick installation. Gives fine selectivity and adds plenty of volume to your auto set. Wt., 2 lbs. **48c**
A9143. List, \$1.50. NET....

Tobe Auto Filterizer Kit

Reduces Auto Radio noise; isolates aerial from noise sources by means of shielded lead-in. RF "booster" unit connected between set and lead-in compensates for losses. Kit contains: 1—Aerial Filterizer with 10 ft. Shielded Lead-in; 1—Ammeter Filterette to by-pass noises from low tension wires; 1—Dome Light (or Tail Light) Filterette to keep noise off wires running near aerial. **\$1.65**
A8410. Kit Complete. List, \$2.95. YOUR PRICE.



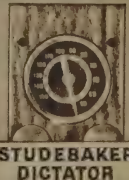
CHRYSLER



DE SOTO DE LUXE



HUDSON AND TERRAPLANE



STUDEBAKER DICTATOR

REPLACEMENT VIBRATORS



Mallory Vibrators

Standard equipment in many popular auto and home receivers and extremely popular for replacement purposes. Famous for their high quality construction and absolute dependability. Mallory replacement vibrators are exact duplicates of original units. Easily installed and require no changes in the circuit. We carry a complete stock of all Mallory vibrators to serve you faster. When ordering, state either mfrs. type number, or model and make of set. Write for free Mallory Vibrator Replacement Booklet.



Radiart Vibrators

Truly exact duplicates of the original equipment in every mechanical and electrical characteristic. Replacing original, defective vibrators with Radiart vibrators requires a minimum of effort. Each vibrator is subjected to exhaustive tests at the factory before being released. Standard in many auto receivers. We carry a complete stock of all Radiart vibrators to serve you faster. We can supply any vibrator at once. When ordering, state either mfrs. type number, or make and model of set. Write for free Radiart listing of vibrator replacements.




Set				MALLORY			RADIART		
Name and Model	Mfrs. No.	Our No.	NET	Mfrs. No.	Our No.	NET			
AIRLINE									
62-166, 62-118.....	253	A4550	\$2.65	3417	A4520	\$2.65			
ARVIN									
15, 25, 35, 45 1st Ser.	296	A4551	2.65	3261	A4521	2.65			
15, 25, 35, 45 2nd Ser.	292	A4552	2.65	2867	A4522	2.65			
7, 17, 17A, 27, 37.....	294	A4553	2.65	3262	A4523	2.65			
ATWATER KENT									
424, 534.....	292	A4554	3.09	3308	A4524	3.23			
666, 776.....	296	A4551	2.65	3263	A4525	2.65			
816.....	226	A4557	3.09	3848	A4526	3.09			
AUDIOLA									
33A6.....	225	A4558	3.38	3308	A4524	3.21			
C6, 64, 74.....	294	A4553	2.65	3300	A4527	2.65			
3356 (2 Prong).....	312T	A4559	2.94	3444	A4528	2.94			
346, 347 (6 Prong).....	297	A4560	2.65	3536	A4529	2.65			
BELMONT									
580, 670A.....	294	A4553	2.65	4260	A4530	2.65			
660 (Head).....	220B	A4555	2.94	3442	A4531	2.79			
670.....	296	A4551	2.65	3263	A4525	2.65			
BOSCH									
140 (2nd & 3rd Ser.).....	271	A4561	3.23	3283	A4532	3.23			
524A, 634-634A.....	253Y	A4562	2.65	4260	A4530	2.65			
150 (1st Series).....	210	A4563	3.38	3318	A4533	3.38			
150 (2nd Series).....	271	A4561	3.23	3283	A4532	3.23			
CHEVROLET									
364-441.....	221	A4564	2.79	3313	A4534	2.79			
600153 Series.....	222	A4554	3.09	3315	A4535	3.09			
601038 Series.....	273C	A4565	3.23	3461	A4536	3.09			
985100, 985200.....	294	A4553	2.65	3260	A4537	2.65			
985300.....	273D	A4566	3.23	4611	A4538	3.09			
CROSLLEY									
98, 99, 102, 103, 5A1.....	223	A4567	3.38	3317	A4539	3.38			
5A1, 5A3.....	247	A4568	3.23	3789	A4540	2.94			
DETROLA									
6A, 1100, 1100A.....	220B	A4555	2.94	3442	A4531	2.79			
6M, 6R.....	294	A4553	2.65	4260	A4530	2.65			
1934, 1935.....	292	A4552	2.65	2867	A4522	2.65			
EMERSON									
965, 667.....	296	A4551	2.65	3263	A4525	2.65			
277S.....	225	A4569	3.23	3850	A4541	3.23			
678-1.....	225	A4558	3.38	3308	A4524	3.23			
6A.....	253Y	A4562	2.65	3417	A4520	2.65			
ERLA-SENTINEL									
5500.....	294	A4553	2.65	4260	A4530	2.65			
600, 602.....	292	A4552	2.65	2867	A4522	2.65			
FADA									
101, 102, 104, 104B.....	221	A4564	2.79	3313	A4534	2.79			
166.....	253Y	A4562	2.65	4260	A4530	2.65			
FORD									
MAJESTIC 40, 18805.....	220B	A4555	2.94	3442	A4531	2.79			
PHILCO.....	294	A4553	2.65	3320	A4542	2.65			
FREED									
A9.....	210	A4563	3.38	3318	A4533	3.38			
G. E.									
B40, C41, B52.....	271*	A4561	3.23	4415	A4543	3.82			
C60.....	253	A4550	2.65	3417	A4520	2.65			
D50, D51, D52.....	286S	A4570	3.23	3883	A4544	2.94			
KNIGHT									
F9541, F9551.....	292	A4552	2.65	2867	A4522	2.65			
U.....	294	A4553	2.65	5300	A4527	2.65			
LEWOL									
9101-2.....	292	A4552	2.65	2867	A4522	2.65			
MAJESTIC									
66, 116, 116A, 118.....	220B	A4555	2.94	3442	A4531	2.79			
MALLORY									
201-2-3-4.....	201	A4556	2.94	3443	A4545	2.94			
10, 11, 12, 13, 14 Ser.	210	A4563	3.38	3318	A4533	3.38			
MOTOROLA									
34, 50, 60, 90.....	294	A4553	2.65	4260	A4530	2.65			
61, 88.....	302S	A4571	2.94	3444	A4528	2.94			
77.....	230	A4572	3.38	3445	A4546	3.38			
77A, 44A, 66.....	270B	A4573	3.23	4502	A4547	3.23			
55, 55A.....	281	A4574	3.38	4607	A4548	3.38			
44.....	235	A4575	3.38	3290	A4549	3.38			
57, 62, 75, 79, 100, 110	253T	A4576	2.65	3815	A4516	2.65			
Dual 6, Twin 8.....	253	A4550	2.65	3417	A4520	2.65			
MUSIC MASTER									
TEN-TEN.....	292	A4552	2.65	2867	A4522	2.65			
PHILCO									
816.....	500P	A4577	2.35	3320	A4542	2.65			

Set				MALLORY			RADIART		
Name and Model	Mfrs. No.	Our No.	NET	Mfrs. No.	Our No.	NET			
PHILCO-Continued									
817, 818, 819.....	501P	A4578	\$2.35	5320	A4517	\$2.65			
ALL OTHERS.....	294	A4553	2.65	3320	A4542	2.65			
RCA VICTOR									
5M, 6M, 6M2.....	249	A4579	3.23	5406	A4518	2.94			
M34, M105.....	271*	A4561	3.23	4417	A4543	3.82			
M107.....	253	A4550	2.65	3417	A4520	2.65			
M101, M-104, M108.....	286S	A4570	3.23	3883	A4544	2.94			
SEARS ROEBUCK									
7128 & PRONG.....	294	A4553	2.65	4260	A4530	2.65			
7117, 1859A.....	271	A4561	3.23	3283	A4523	3.23			
SIMPLEX									
.....	292	A4552	2.65	2867	A4522	2.65			
SPARTAN									
33, 33A.....	292	A4552	2.65	2867	A4522	2.65			
36.....	222	A4554	3.09	3315	A4535	3.09			
296, 333.....	292	A4552	2.65	3263	A4525	2.65			
STEWART WARNER									
R112, 1121, 1122, 1123	292	A4552	2.65	2867	A4522	2.65			
R118, 1171, 1172, 1181	294	A4553	2.65	4260	A4530	2.65			
STROMBERG CARLSON									
33, 33A.....	210	A4563	3.38	3318	A4533	3.38			
UNITED MOTORS									
BUICK-OLDS-PONTIAC									
393884-5, 405045.....	273C	A4565	3.23	3461	A4536	3.09			
405046 Series.....	273C	A4565	3.23	3461	A4536	3.09			
544267 Series.....	273C	A4565	3.23	3461	A4536	3.09			
WELLS-GARDNER									
61, 65.....	253	A4550	2.65	3417	A4520	2.65			
V622, Z621.....	292	A4552	2.65	2867	A4522	2.65			
062, 062A.....	205	A4580	2.94	3443	A4545	2.94			
072-072A.....	210	A4563	3.38	3318	A4533	3.38			
WURLITZER									
80, 460.....	292	A4552	2.65	2867	A4522	2.65			
ZENITH									
460, 462, 650HD.....	292	A4552	2.65	2867	A4522	2.65			
JUNIOR 7.....	296	A4551	2.65	3263	A4525	2.65			

*Add 30c net extra for special cup adapter.
† Special adapter cup included in price.

POPULAR ELECTRONIC VIBRATORS

Designed and developed by one of the largest exclusive vibrator manufacturers in the world. Built to laboratory standards of perfection. Each individual piece of merchandise is thoroughly and accurately tested by competent engineers, before it is allowed to leave the factory.



MODEL 400

The 400 vibrator is of the full-wave type used in conjunction with a rectifier tube. Will duplicate exactly, defective vibrators in Addison, 531, 613 sets. Also used in RCA American Mohawk A60; Arvin 10A, 20A, 30A, 20B, 30B, 16, 15 and 25 2nd series; Belmont 660, etc. One of the most widely used vibrators in the field today. Stock up with several so that they will be on hand for every emergency.

A4590.
NET.


\$2.06

MODEL P450

One of the most popular replacement vibrators in use today. Replaces defective vibrators in Packard 1933 and 34; Ford Philco; Studebaker A.C. 206 and Philco 5, 6, 9, 10, 11, 51, 700, 800, 805, 806, 807, 808, 809, EF and eliminators and 1934 models.

A4591.
NET.

\$2.20



MODEL 702

It will pay you to keep a good stock of this universal vibrator on hand. Used as replacement on General Electric B40, C41, B52 and C61. Also used in RCA M34, M105, M116, and the DeLuxe 123 set. Buy these in more than single lots so that they will be on hand whenever needed.

A4592.
NET.

\$3.15

NEW 5 TUBE Night SUPERHET AUTO RADIO

- NO SUPPRESSORS • FITS ANY MAKE CAR
- DYNAMIC SPEAKER • SINGLE UNIT DESIGN
- ILLUMINATED DIAL • FULL A.V.C. • LOW DRAIN

A compact powerful 5 Tube Auto Superhet designed to give splendid radio reception in any automobiles. A single attractive steel cabinet of small size holds the receiver itself, the matched full-sized dynamic speaker and the power supply. The latest type of illuminated remote control is provided for convenient mounting to lower edge of instrument panel. This new Knight 5 Tube Auto Radio operates with unusual economy. It develops dependable smooth power, long-range distance reach and pleasing, faithful tone. Incorporates a special antenna filter system and features filtering in the power supply leads for completely noise-free suppressorless operation. Uses the new 0Z4 Metal Tube gas-filled rectifier developed especially for auto radio use. Latest multi-function tubes are employed throughout for extra tube efficiency and power. Has full Automatic Volume Control assuring freedom from blasting and fading; uses full-sized Electrodynamic speaker for fine tonal fidelity. The easy-to-read illuminated Airplane Dial is directly calibrated in kilocycles for easy tuning. Other features are 6 tuned circuits, rubber-floated tuning condenser, 3 1/2 watts output, plug-in newest type vibrator, new high-gain iron-core antenna coil, litz-wound antenna and 1. f. coils, completely shielded power supply unit, etc.

LATEST SUPERHET CIRCUIT

A newly designed R.C.A. licensed Superhet circuit is used in the Knight 5 Tube Auto Radio. The latest type tubes are employed as follows: 6A7 as Det.-Osc.; 6D6 as I.F. - 75 as A.V.C. and 2nd Det. Audio; 41 as power stage; 0Z4 metal tube as rectifier. 41 Pentode output assures good power and fine tone which is adequately handled by the high quality, full dynamic speaker. Full, effective A.V.C. is incorporated for uniform volume and for freedom from noise. All vital circuits and components are completely shielded and ruggedly assembled to prevent shock and to assure full operating efficiency. No suppressors are required because of the thorough shielding and filtering system employed.

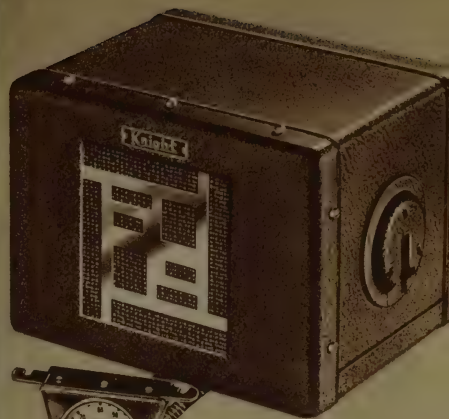
5 TUBE AUTO RADIO COMPLETE

The Knight 5 Tube Auto Radio Superhet is offered complete as illustrated with 1-6A7, 1-6D6, 1-75, 1-41 and 1-0Z4 Raytheon tubes. Includes Illuminated Remote Control and cables as well as mounting hardware. Less aerial. Shipping weight, 20 lbs. Code: HAND. A leading Auto Radio value.

A9821 plus, \$34.50.
YOUR PRICE

ECONOMICAL OPERATION

The Knight 5 Tube Superhet has been designed to develop maximum power with the lowest possible current drain. The efficient built-in power supply uses the latest type of plug-in vibrator for trouble-free performance. Actual 7 tube efficiency is achieved with 5 tube operating economy. Effective shielding of the power supply further contributes to a degree of noise-free enjoyable reception seldom before experienced in auto radio performance. The Knight 5 Tube Superhet is designed definitely for dependable long-distance radio reception in any car, with maximum sensitivity, sharp tuning and beautiful tone. It is an outstanding auto radio value with distinct advantages in economy and performance.



**NO SUPPRESSORS
REQUIRED**

RCA & HAZELTINE
LICENSED

\$18.95
WITH RAYTHEON TUBES

EASY TO INSTALL IN ANY CAR

The Knight 5 Tube Auto Superhet is designed for easy mounting in any car. The compact, ventilated steel case measures only 9 1/4 x 8 1/2 inches. Installed out of the way under the dash compartment. Single hole mounting feature makes installation simple. The Illuminated airplane type Remote Control fastens to edge of instrument panel (see illustration) and is easily accessible. Completely out of the way but convenient to tune. The entire Knight 5 Tube Superhet is attractively designed and ruggedly constructed to give long, continuous service. Its suppressorless feature is an additional advantage because it simplifies installation. This new Auto Radio assures the finest radio reception in any automobile.

AUTO RADIO Accessories

RCA-VICTOR M-34 AUTO SET VIBRATOR ASSEMBLY

A genuine R.C.A. Replacement part.

An exact replacement vibrator, Part No. 7604, for the R.C.A. M-34 auto set. Sealed; fully adjusted and ready to install. Will operate on from 4 to 8 volts input. Rubber mounted in double aluminum can. Size 4 1/2" high x 2 1/2" diameter.

A7320. Part 7604. **\$3.60**
List, \$6.00. No.

BASE FOR ABOVE

RCA Part No. 6577. Capacitor and base assembly for vibrator No. 7604. Two .04 mfd. condensers.
A7321. Part 6577. YOUR PRICE **47c**

ANTENNA CONNECTOR

For Auto Radio sets, to connect antenna lead to set.
A6264. EACH. **6c**
PER DOZ. **62c**

MAJESTIC "66" AUTO RADIO REPLACEMENT UNIT

A complete vibrator replacement unit for model "66" Majestic auto radio. Contains vibrator, power transformer and 64 rectifier tube. Just pull out the old unit and install the new one.

H9195.
List, \$9.00. **\$5.25**
NET.....

MAJESTIC VIBRATOR HEAD FOR MODEL 66-116

This unit modernizes Majestic 66, 116 Auto Radios. Also for all Ford-Majestic sets, of non plug-in type. Replaces old-type head.

A7301. Vibrator Assembly **\$2.79**
only. NET.....

FRONT WHEEL NOISE SUPPRESSORS

Effectively eliminates all noises caused by static pick-up of front wheels of car. Easily installed in hub caps.
A5488. PER PAIR. **28c**

MOTOR-NOISE FILTER

A new scientifically designed Auto Radio noise and spark plug suppressor eliminator. Easy to install; does not interfere with the car ignition system. Assures noise-free auto radio reception. Unit consists of a combination high-frequency filter and a adjustable balancing circuit which completely eliminates use of spark plug suppressors. Interference is always "balanced out" regardless of frequency by manual inductance control. Filter is housed in shielded metal container fitted with mounting bracket. Installed in series with the antenna at receiver.

A5489. **\$1.32**
YOUR PRICE

SHIELDED AERIAL LEAD-IN

For efficient installation of auto antenna. Filler wrapped around No. 18 conductor, with close-fitting shielding overall.

H2444. 1/4" DIAM.	5c
Per ft.	
100 Ft.	\$4.35
H2443. 1/2" DIAM.	7c
Per ft.	
100 Ft.	\$6.21



Knight 6 TUBE ALL-WAVE SUPERHET

WITH RCA *all-Metal* TUBES



Console Model Complete

The Knight 6 Metal Tube All-Wave Superhet is offered in the luxurious console cabinet pictured above. The instrument panel and top are carefully designed of natural grained American Walnut. The entire cabinet is hand-rubbed to a lustrous piano finish and is especially conditioned for faithful tonal response. A musical instrument of quality which will enhance the beauty of any room. Dimensions: 39 1/2" high, 22" wide, 12" deep. Offered complete with 8" Vita-Tone speaker and 1-6A8, 1-6K7, 1-6H6, 1-6F5, 1-6F6, 1-5W4 genuine RCA metal tubes. For 110 Volts, 60 cycle A.C. Shipping wt., 50 lbs. Code: LEAF.

A9872
Retail Value \$64.50.
YOUR PRICE

\$31.65

A superb new Knight 6 Metal Tube All-Wave Superhet offering a remarkable combination of quality and value. Develops highest sensitivity and selectivity with powerful reception on all bands. Stirring world-wide radio performance: tunes 18 to 52 meters for Foreign Short-Wave; 56 to 175 meters for effective Short-Wave; Amateur, Police, Aircraft and Commercial signals; and 175 to 550 meters for superlative reception of standard American and Canadian Broadcast. Packed with features. Develops full 3 watts output from new 8F6 Pentode stage. 11 tuned circuits, 3 gang rubber-mounted condenser and preselector stage contribute to brilliant efficiency and uniform power.

You can go world-traveling any night with this splendid new 1937 Knight 6. It tunes 3 full bands for thrilling Short Wave foreign programs, Police, Amateur, and Aviation signals and all American and Canadian Standard Broadcast.

- Giant 6 1/2" Airplane Dial
- 18-550 Meters
- 6 Genuine RCA Metal Tubes
- Preselection
- 3 Gang Condenser
- Vita-Tone Dynamic Speaker
- 11 Tuned Circuits
- 3 Watts Output
- Variable Tone Control
- Full A.V.C.

COLORFUL DIAL. Has a giant 6 1/2" airplane dial accurately calibrated in kilocycles on standard broadcast band and in megacycles on short wave. Wave bands are individually colored. Tuning ratio is 15 to 1 for velvet smooth vernier action.

HEAVY-DUTY VITA-TONE SPEAKERS. A full 6 1/2" Vita-Tone electro-dynamic speaker in the table model and an 8" speaker in the console, assure vivid reproduction of everything on the air. Handles full output without distortion. Brings you thrilling radio enjoyment.

Table Model Complete

The exquisite table model of the new Knight strikes a new note in cabinet beauty. Of pleasing upright design, it is fashioned with a streamlined overlay, finished in contrasting darker shades. The front panel is of selected burl walnut. Entire cabinet is hand-rubbed to rich finish. Supplied complete with 6 1/2" Vita-Tone dynamic speaker and genuine RCA metal tubes. One of the finest six tube radios made today, offered at a money-saving price. Size: 15 1/2" h, 12 1/2" wide, 9" deep. Shipping weight, 22 1/2 lbs. For 110 volts, 60 cycle A.C. operation.

Code: NEAT.
A9871
Retail Value \$47.50.
YOUR PRICE

\$23.75

FULL A.V.C. ACTION AND TONE CONTROL. For perfect control of volume and tone on every program. No fading or blasting; every station brought in just as though you were in the studio. Continuously Variable Tone Control incorporated to suit your individual tastes.

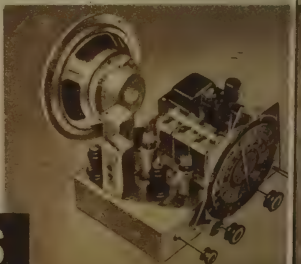
VERSATILE PERFORMANCE. No other 6 tube radio gives you such pleasing radio performance at so low a price. This new receiver tunes everything on the air and brings the whole world to your home. Anyone can tune the Knight 6 easily. Background noise is reduced to a minimum and the Vita-Tone speaker gives you perfect reproduction.

METAL TUBE CHASSIS

The Knight 6 Metal Tube All-Wave Superhet is offered in de luxe chassis form. Ideal as a replacement chassis in the finest cabinet. Features: 3 gang condenser, A.V.C., Tone Control, 11 tuned circuits, preselection, etc., as described above. Uses the latest RCA genuine Metal Tubes as follows: 1-6A8 as Det. & Osc.; 1-6K7 as I.F. Amplifier; 1-6H6 as Diode Det.-A.V.C.; 1-6F5 as 1st Audio; 1-6F6 as Pentode output; and 1-5W4 Rectifier. Size, 11 1/2" x 8 1/2" x 3 1/2". Built around the newest RCA and Hazeltine Superhet circuit design. Comes complete with RCA metal tubes. Supplied with a full 8" Vita-Tone dynamic speaker. Code: NAME. Shipping weight, 13 lbs. For 110 Volts, 60 cycle A.C.

A9870, Retail Value, \$42.50.
YOUR PRICE

\$21.45



"SPANS THE WORLD"

152 Tunes 18-550 METERS

From -----

PLACE
POSTAGE
STAMP
HERE

Allied Radio Corporation

833 W. Jackson Blvd.

Chicago, Ill.

Section 7

Knight 12

TUBE

3 BAND 12 A.C. SUPERHET

\$57.65

COMPLETE WITH
RCA Genuine
ALL METAL TUBES

CA AND HAZELTINE LICENSED

Here is an aristocrat of radio—the value-packed Knight 12 All-Metal Tube Superhet. Tunes everything on the air. Has more features, more power, more sensitivity, more selectivity and finer tone than any other 12 tube radio built today. Just check these features:

THREE FULL WAVE BANDS—16-55 meters for world-wide Short Wave reception; 55-180 meters for Short Wave Police, Amateur, Ships, Aircraft and Commercial signals; and 180-550 meters for all standard Broadcast and upper Police channels. The Knight 12 has an extra performing ability in reserve; it has more power, more responsiveness—more faithful reception than any other 12 tube radio.

NEW 11" MAGNA-SPAN DIAL—Five superlative features, all new and exclusive. (1) Visual Electric Tuning Eye; enables you to "see" when your station is perfectly in tune. (2) Visual Wave Band Indicator; shows you which band is in use. (3) Flywheel Tuning; saves time and bother; the indicator needle literally coasts to the desired station with a turn of the tuning knob. (4) Minute Hand Bandspread; you tune with split-second accuracy and speed by referring to dial "clock" scale; you'll like the quick convenient "tell-time" tuning way. (5) Concentric Band Calibration; has 340° of swing to the indicating needle to give over 14 inches of reading space to the shortest wave band. The most beautiful and practical radio dial ever designed!

"BEAM POWER" AMPLIFICATION—The Knight All-Wave 12 uses two of the amazing new 6L6 Beam Power amplifier tubes in a mighty push-pull circuit to give 10 watts of untorsioned power. The specially designed giant 12-inch Vita-Tone Auditorium dynamic speaker assures high fidelity reproduction capturing every overtone and musical nuance.

CIRCUIT FEATURES—Automatic Tone Control; no noise between stations; A. V. C. for uniform volume; Continuously Variable Tone Control for bass or treble emphasis; 1 Mv. sensitivity; 3 gang rubber-floated condenser; 16 tuned circuits; R. F. Preamplification; Pre-selector; phono jack provision, etc.

MAGNIFICENT CABINET—The Knight All-Wave 12 is offered in a superb cabinet of massive design. It is constructed of specially selected walnut woods and finished in hand-blended soft blending duo-tones. A splendid creation correctly tone-conditioned for radio use, and built for lasting beauty. Size: 41 inches high, 24 inches wide, 13 inches deep.

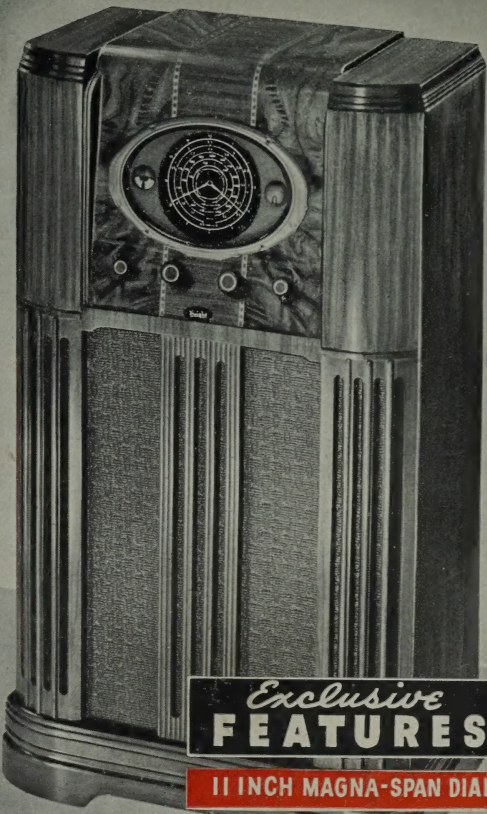
\$57.65
9890. The Knight All-Wave 12 with 12-inch speaker in console illustrated, with 4-6K7, 2-5W4, 1-6AS, 1-6F5, 1-6H6, 2-6L6, and 1-6G5 R. C. A. tubes. For operation on 110 volt, 60 cycles, A.C. Code: SAIL. Shpg. wt., 80 lbs. Retail Value, \$125.00.

NET PRICE, COMPLETE.....

CHASSIS MODEL ONLY

The magnificent new Knight 3 Band 12 Tube Superhet with All-Metal tubes is also available in chassis form. Incorporates the finest 12 tube circuit ever designed, using the newest type multi-purpose metal tubes as follows: 6K7 as R. F. Pre-Amplifier; 6AS as Osc.; 6K7 as 1st I. F.; 6K7 as 2nd I. F.; 6H6 as Diode-Det.; 6F5 as Audio Amp.; 6G5 as Visual Station Indicator; 6K7 as Automatic Tone Control; 2-6L6 Beam Power Amplifier tubes as push-pull output; 2-5W4 Paralleled Full Wave Power Rectifiers. Develops 1 Mv. sensitivity; 8 K. C. selectivity. Features 3 gang rubber-floated condenser; 16 tuned circuits; pre-selector power output; preamplification; pre-selector stage; A. V. C.; Tone Control, phono jack, etc. Size: 12½ x 11 x 9 inches.

\$41.95
A9891. The Knight 12 chassis complete with 12-inch Vita-Tone speaker, and R. C. A. tubes. Code: RARE. Shpg. wt. 38 lbs. Retail Value, \$90.00. NET..



Exclusive FEATURES

11 INCH MAGNA-SPAN DIAL

VISUAL ELECTRIC EYE

VISUAL BAND INDICATOR

FLYWHEEL TUNING

MINUTE HAND BAND SPREAD

3 BANDS : 16-550 METERS

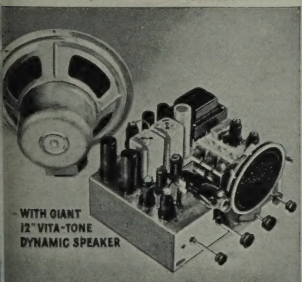
GIANT 12" VITA-TONE SPEAKER

BEAM POWER AMPLIFIER

10 WATTS OUTPUT

AUTOMATIC TONE CONTROL

R. F. PREAMPLIFICATION



WITH GIANT
12" VITA-TONE
DYNAMIC SPEAKER

Enter the World with the new Knight 12

A Sensational Hit!



Knight 5 TUBE A.C. SUPERHET \$

3⁹⁵

COMPLETE
WITH
RAYTHEON
TUBES

RCA & HAZELTINE
LICENSED

Here's the Radio Sensation of the year—a new Dual Wave Knight 5 Tube A. C. Superhet that is literally packed with value! No other set at this price has half as many features. No other set at this price has so much built-in quality, such big power and fine tone, such good looks. Check these features for yourself—they prove that only ALLIED can give you radio's Outstanding Value!

• **TUNES 2 FULL BANDS.** The Knight 5 tunes from 43 to 150 Meters to bring in Short Wave police, aviation and amateur 'phone, as well as actual thrilling foreign reception on the popular 49 meter foreign Short Wave band. The second band covers from 175 to 550 Meters and tunes the upper police channel and the entire range of American and Canadian standard Broadcast stations. These two bands actually give you three band utility because they cover the most important Short Wave and Broadcast channels. A big Value Feature!

• **BIG 5½ INCH VERNIER DIAL.** It's easy to tune the Knight 5. The big, fully illuminated 5½ inch air-plane dial is accurately and clearly calibrated. It shows two easy-to-read scales, the upper calibrated in kilocycles for standard Broadcast tuning, the lower marked in kilocycles for Short Wave tuning. All important Short Wave bands are clearly designated in meters. Double-ended pointers and vernier action assure quick positive station logging. Another big Value Feature!

• **6 INCH DYNAMIC SPEAKER.** A full-size 6 inch Electro-dynamic speaker is used in the Knight 5. It faithfully reproduces the fine tonal output of the circuit with flawless fidelity at either full volume or at a whisper. You'll enjoy the life-like re-creation of the whole range of voice and music, the re-production of each program with stirring realism and vitality. Another exclusive Value Feature!

• **LATEST CIRCUIT.** The Knight 5 assures you of the most recent radio improvements because its circuit is licensed by R. C. A. and Hazeltine and utilizes the newest developments from these world-famous laboratories. Latest type tubes are used throughout as follows: 6A7 as 1st Det.-Osc.; 6D6 as I.F. Amp.; 75 as Diode Det.-A.V.C.-1st Audio; 42 as Pentode; 80 as rectifier. Actually achieves 8 tube efficiency. Includes rubber-floated tuning condenser for greater stability; has 8 tuned circuits for maximum selectivity and automatic volume control to prevent blaring and to maintain uniform volume.

• **BEAUTIFUL "LOW-BOY" DESIGN.** The Knight Dual Wave 5 is presented in a beautiful laydown type cabinet with pleasing rolled top design. The top and front are one panel bent of selected vertically grained walnut. Measures 15¼x9x7 inches.

• **A \$30 VALUE.** The Knight Dual Wave 5—Radio's Sensational Hit—is offered in the beautiful cabinet illustrated above complete with Raytheon tubes. For operation on 110 volt, 60 cycles, A.C. Code: KEEN. Shipping weight, 15 lbs.
A9560. Retail Value, \$30.00
YOUR PRICE

\$13⁹⁵

**FOREIGN
RECEPTION**
*Tunes 49 Meter
Band*

**5½ INCH
Vernier DIAL**
*FOR
Accurate Tuning*

**FULL 6 INCH
DYNAMIC
SPEAKER**
for Beautiful Tone

*Outstanding
Beauty*

TUNES
43-150 METERS
175-550 METERS
2 Thrilling Bands
and 3 BAND UTILITY
AUTOMATIC
VOLUME CONTROL
8 TUNED CIRCUITS